

## Zoznam publikačnej činnosti

doc. RNDr. Juraj Bujdák, DrSc.

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

- ABC01 Rode, Bernd Michael (40%) - Bujdák, Juraj [UKOPRCFZ] (30% [1 AH]) - Eder, Artur H. (30%): The role of inorganic substances in the chemical evolution of peptides on earth  
Lit.: 67 zázň., 4 obr., 4 tab.  
In: Trends in Inorganic Chemistry, Vol. 3. - Trivandrum : Research Trends, 1993. - S. 46-61 [3 AH]. - ISBN 81-85607-45-1  
Heřmánek, Stanislav [rec.]  
Burger, Kalman [rec.]  
*Ohlasy (5):*  
[o1] 2011 Beck, W.: Zeitschrift für anorganische und allgemeine Chemie, Vol. 637, No. 12, 2011, s. 1647-1672 - SCI  
[o1] 2014 Mandal, S. - Das, G. - Askari, H.: RSC Advances, Vol. 4, No. 47, 2014, s. 24796-24809 - SCI  
[o1] 2015 Mandal, S. - Das, G. - Askari, H.: Journal of Molecular Structure, Vol. 1081, February, 2015, s. 281-292 - SCI  
[o1] 2015 Pandey, P. - Pant, C.K. - Gururani, K. - Arora, P. - Pandey, N. - Bhatt, P. - Sharma, Y. - Negi, J.S. - Mehata, M.S.: Origins of Life and Evolution of Biospheres, Vol. 45, No. 4, 2015, s. 411-426 - SCI  
[o1] 2016 Khalili, B.: Journal of Molecular Modeling, Vol. 22, No. 1, 2016, s. 11 - SCI
- ABC02 Bujdák, Juraj [UKOPRCFZ] (40% [2 AH]) - Fitz, Daniel (30%) - Rode, Bernd Michael (30%): Mineral-induced peptide formation  
Lit.: 214 zázň., 16 obr., 3 tab.  
In: Astrobiology: Emergence, search and detection of life. - Los Angeles : American Scientific Publishers, 2009. - S. 237-262 [5 AH]. - ISBN 1-58883-137-X  
Rafael Navarro-González, Rafael [rec.]  
Basiuk, Vladimir A. [rec.]

### ADC Vedecké práce v zahraničných karentovaných časopisoch

- ADC01 Bujdák, Juraj [UKOPRCFZ] - Slosiariková, Hana: Dehydration and dehydroxylation of reduced charge montmorillonite  
*Zaregistrované v CC: Physical, Chemical & Earth Sciences (PCES), Vol. 34, Issue 28 (11 July 94) (1994), s. 109*  
Lit.: 12 zázň., 2 obr., 2 tab.  
In: Journal of Thermal Analysis. - Vol. 41, No. 4 (1994), s. 825-831  
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[o1] 1999 Komadel, P. - Madejova, J. - Stucki, J.W.: Clays and Clay Minerals, Vol. 47, No. 4, 1999, s. 458-465 - SCI  
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- ADC02 Bujdák, Juraj [UKOPRCFZ] - Slosiariková, Hana - Texler, N. - Schwendinger, M. - Rode, Bernd Michael: On the possible role of montmorillonites in prebiotic peptide formation  
*Zaregistrované v CC: Physical, Chemical & Earth Sciences (PCES), Vol. 34, Issue 46 (14 Nov 94) (1994), s. 142*  
Lit.: 21 zázň., 4 tab.  
In: Monatshefte für Chemie. - Vol. 125, No. 10 (1994), s. 1033-1039  
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[o1] 1998 Basiuk, V.A. - Navarro-Gonzalez, R. - Basiuk, E.V.: Origins of Life and Evolution of the Biosphere, Vol. 28, No. 2, 1998, s. 167-193 - SCI  
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ADC03 Bujdák, Juraj [UKOPRCFZ] - Faybíková, Katarína - Eder, Artur - Yongyai, Yongyos - Rode, Bernd Michael: Peptide chain elongation: A possible role of montmorillonite in prebiotic synthesis of protein precursors

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In: Origins of Life and Evolution of the Biosphere. - Vol. 25, No. 5 (1995), s. 431-441

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*Zaregistrované v CC: Physical, Chemical & Earth Sciences (PCES), Vol. 36, Issue 20 (13 May 96) (1996), s. 72*

Lit.: 15 zázň., 4 obr., 2 tab.

In: Catalysis Letters. - Vol. 37, No. 3-4 (1996), s. 267-272

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[o1] 2001 Yu, C.H. - Newton, S.Q. - Miller, D.M. - Teppen, B.J. - Schafer, L.: Structural Chemistry, Vol. 12, No. 5, 2001, s. 393-398 - SCI

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ADC05 Bujdák, Juraj [UKOPRCFZ] - Eder, Artur - Yongyai, Yongyos - Faybiková, Katarína - Rode, Bernd Michael:

Investigation on the mechanism of peptide chain prolongation on montmorillonite

*Zaregistrované v CC: Physical, Chemical & Earth Sciences (PCES), Vol. 36, Issue 36 (05 Feb 96) (1996), s. 143*

Lit.: 18 zázň., 6 obr., 3 tab.

In: Journal of Inorganic Biochemistry. - Vol. 61, No. 1 (1996), s. 69-78

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[o1] 2001 Porter, T.L. - Eastman, M.P. - Bain, E. - Begay, S.: Biophysical Chemistry, Vol. 91, No. 2, 2001, s. 115-124 - SCI

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ADC06 Bujdák, Juraj [UKOPRCFZ] - Le Son, Hoang - Rode, Bernd Michael: Montmorillonite catalyzed peptide bond formation: The effect of exchangeable cations

*Zaregistrované v CC: Physical, Chemical & Earth Sciences (PCES), Vol. 36, Issue 31 (29 July 96) (1996), s. 157*

Lit.: 12 zázň., 2 tab.

In: Journal of Inorganic Biochemistry. - Vol. 63, No. 2 (1996), s. 119-124

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ADC07 Bujdák, Juraj [UKOPRCFZ] - Rode, Bernd Michael: The effect of smectite composition on the catalysis of peptide bond formation

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In: Journal of Molecular Evolution. - Vol. 43, No. 4 (1996), s. 326-333

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Lit.: 11 zázň., 7 obr., 1 tab.

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Lit.: 33 zázň., 5 obr.

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Lit.: 51 zázň., 4 obr., 3 tab.

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Lit.: 51 zázň., 5 obr.

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Lit.: 54 zázň., 6 obr., 1 tab.

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Lit.: 42 zázň., 5 obr., 2 tab.

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Lit.: 24 zázň., 5 obr.

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Lit.: 49 zázň., 9 obr.

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Lit.: 19 zázň., 7 obr.

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Lit.: 39 zázň., 7 obr.

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Lit.: 38 zázň., 8 obr.

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Lit.: 20 zázň., 3 obr., 2 tab.

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Lit.: 28 zázň., 7 obr.

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Lit.: 20 zázň., 6 obr.

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Lit.: 50 zázň., 7 obr.

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Lit.: 38 zázň., 5 obr., 1 tab.

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Lit.: 38 zázň., 8 obr.

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Lit.: 28 zázn., 6 obr.

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Lit.: 138 zázň., 4 obr., 1 tab.

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Lit.: 35 záz., 3 obr.

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Lit.: 33 záz., 6 obr.

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ADC51 Čeklovský, Alexander - Bujdák, Juraj [UKOPRCFZ] (30%) - Czímerová, Adriana - Iyi, Nobuo: Spectral study on the molecular orientation of a tetracationic porphyrin dye on the surface of layered silicates

Lit.: 15 zázň., 3 obr.

In: Central European Journal of Physics. - Vol. 5, No. 2 (2007), s. 236-243

[International Conference on Solid State Surfaces and Interfaces. 5th. Smolenice, 19.-24.11.2006]

*Indikátor časopisu:*

IF (JCR) 2007=0,538

ADC52 Madejová, Jana - Andrejkovičová, S. - Bujdák, Juraj [UKOPRCFZ] (10%) - Čeklovský, Alexander - Hrachová, J. - Valúchová, Jana - Komadel, Peter: Characterization of products obtained by acid leaching of Fe-bentonite

Lit.: 45 zázň., 7 obr.

In: Clay Minerals. - Vol. 42, No. 4 (2007), s. 527-540

*Indikátor časopisu:*

IF (JCR) 2007=0,707

*Ohlasy (2):*

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ADC53 Bujdák, Juraj [UKOPRCFZ] (50%) - Czímerová, Adriana - Iyi, Nobuo: Structure of cationic dyes assemblies intercalated in the films of montmorillonite

Lit.: 42 zázň., 4 obr., 1 tab., 2 schémy

In: Thin Solid Films. - Vol. 517, No. 2 (2008), s. 793-799

*Indikátor časopisu:*

IF (JCR) 2008=1,884

*Ohlasy (3):*

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ADC54 Bujdák, Juraj [UKOPRCFZ] (80%) - Iyi, Nobuo: Spectral properties and structure of the J-aggregates of pseudoisocyanine dye in layered silicate films

Lit.: 54 zázň., 8 obr., 2 tab.

In: Journal of Colloid and Interface Science. - Vol. 326, No. 2 (2008), s. 426-432

*Indikátor časopisu:*

IF (JCR) 2008=2,443

*Ohlasy (8):*

[o1] 2011 Egawa, T. - Watanabe, H. - Fujimura, T. - Ishida, Y. - Yamato, M. - Masui, D. - Shimada, T. - Tachibana, H. - Yoshida, H. - Inoue, H. - Takagi, S.: Langmuir, Vol. 27, No. 17, 2011, s. 10722-10729 - SCI

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ADC55 Czimerová, Adriana - Iyi, Nobuo - Bujdák, Juraj [UKOPRCFZ] (30%): Fluorescence resonance energy transfer between two cationic laser dyes in presence of the series of reduced-charge montmorillonites: Effect of the layer charge

Lit.: 45 záz., 8 obr., 1 tab.

In: Journal of Colloid and Interface Science. - Vol. 320, No. 1 (2008), s. 140-151

*Indikátor časopisu:*

IF (JCR) 2008=2,443

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ADC56 Čeklovský, Alexander - Czimerová, Adriana - Pentrák, M. - Bujdák, Juraj [UKOPRCFZ] (25%): Spectral properties of TMPyP intercalated in thin films of layered silicates

Lit.: 30 záz., 4 obr., 2 tab.

In: Journal of Colloid and Interface Science. - Vol. 324, No. 1-2 (2008), s. 240-245

*Indikátor časopisu:*

IF (JCR) 2008=2,443

*Ohlasy (13):*

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ADC57 Lang, Kamil - Kubát, Pavel - Mosinger, Jiří - Bujdák, Juraj [UKOPRCFZ] (20%) - Hof, Martin - Janda, Pavel - Sýkora, Jan - Iyi, Nobuo: Photoactive oriented films of layered double hydroxides

Lit.: 25 zázň., 7 obr.

In: *Physical Chemistry Chemical Physics*. - Vol. 10, No. 30 (2008), s. 4429-4434

*Indikátor časopisu:*

IF (JCR) 2008=4,064

*Ohlasy (9):*

[o1] 2009 Huang, S. - Cen, X. - Peng, H.D. - Guo, S.Z. - Wang, W.Z. - Liu, T.X.: *Journal of Physical Chemistry B*, Vol. 113, No. 46, 2009, s. 15225-15230 - SCI

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ADC58 Bujdák, Juraj [UKOPRCFZ] (35%) - Jurečeková, Jana [UKOLJ110] (25%) - Bujdáková, Helena [UKOPRBMV] (25%) - Lang, Kamil (5%) - Šeršeň, František [UKOPRCUS] (10%): Clay Mineral Particles as Efficient Carriers of Methylene Blue Used for Antimicrobial Treatment

Lit.: 38 zázň., 5 obr., 2 tab.

In: *Environmental Science & Technology*. - Vol. 43, No. 16 (2009), s. 6202-6207

*Indikátor časopisu:*

IF (JCR) 2009=4,630

*Ohlasy (10):*

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ADC59 Bujdák, Juraj [UKOPRCFZ] (80%) - Iyi, Nobuo: Optical properties of molecular aggregates of oxazine dyes in dispersions of clay minerals

Lit.: 31 záz., 9 obr.

In: Colloid and Polymer Science. - Vol. 287, No. 2 (2009), s. 157-165

*Indikátor časopisu:*

IF (JCR) 2009=2,057

*Ohlasy (5):*

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ADC60 Čeklovský, Alexander - Czímerová, Adriana - Lang, Kamil - Bujdák, Juraj [UKOPRCFZ] (25%): Effect of the layer charge on the interaction of porphyrin dyes in layered silicates dispersions

Lit.: 36 záz., 7 obr., 3 tab.

In: Journal of Luminescence. - Vol. 129, No. 9 (2009), s. 912-918

*Indikátor časopisu:*

IF (JCR) 2009=1,847

*Ohlasy (3):*

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ADC61 Čeklovský, Alexander - Czímerová, Adriana - Lang, Kamil - Bujdák, Juraj [UKOPRCFZ] (25%): Layered silicate films with photochemically active porphyrin cations

Lit.: 14 záz., 9 obr., 1 tab.

In: Pure and Applied Chemistry. - Vol. 81, No. 8 (2009), s. 1385-1396

*Indikátor časopisu:*

IF (JCR) 2009=2,289

*Ohlasy (4):*

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ADC62 Šucha, Vladimír [UKOPRGLG] (60%) - Czímerová, Adriana - Bujdák, Juraj [UKOPRCFZ] (15%): Surface properties of illite-smectite minerals as detected by interactions with Rhodamine 6G dye

Lit.: 36 záz., 10 obr., 2 tab.

In: Clays and Clay Minerals. - Vol. 57, No. 3 (2009), s. 361-370

*Indikátor časopisu:*

IF (JCR) 2009=1,431

*Ohlasy (4):*

[o1] 2012 Ganguli, J.N. - Agarwal, S.: Adsorption Science & Technology, Vol. 30, No. 2, 2012, s. 171-182 - SCI

[o1] 2014 Osacky, M. - Geramian, M. - Liu, Q. - Ivey, D.G. - Etsell, T.H.: Energy & Fuels, Vol. 28, No. 2, 2014, s. 934-944 - SCI

[o1] 2015 Osacky, M. - Geramian, M. - Liu, Q. - Ivey, D.G. - Etsell, T.H.: Energy & Fuels, Vol. 29, No. 7, 2015, s. 934-944 - SCOPUS

[o1] 2016 Geramian, M. - Osacky, M. - Ivey, D.G. - Liu, Q. - Etsell, T.H.: Energy & Fuels, Vol. 30, No. 10, 2016, s. 8083-8090 - SCI

ADC63 Bujdák, Juraj [UKOPRCFZ] (34%) - Chorvát, Dušan [UKOEXFM] (33%) - Iyi, Nobuo (33%): Resonance Energy Transfer between Rhodamine Molecules Adsorbed on Layered Silicate Particles

Lit. 39 zázň., 8 obr., 2 tab.

In: Journal of Physical Chemistry C. - Vol. 114, No. 2 (2010), s. 1246-1252

*Indikátor časopisu:*

IF (JCR) 2010=4,524

*Ohlasy (13):*

[o1] 2010 Giri, A. - Makhal, A. - Ghosh, B. - Raychaudhuri, A.K. - Pal, S.K.: Nanoscale, Vol. 2, No. 12, 2010, s. 2704-2709 - SCI ; SCOPUS

[o1] 2011 Qian, L. - Wang, A. - Yan, H. - Xu, D. - Zhang, K.: Shiyou Huagong/Petrochemical Technolog, Vol. 40, No. 3, 2011, s. 317-321 - SCOPUS

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[o1] 2013 Liu, B.Y. - Zeng, F. - Wu, S.Z. - Wang, J.S. - Tang, F.C.: Microchimica Acta, Vol. 180, No. 9-10, 2013, s. 845-853 - SCI

[o1] 2014 Cao, Q. - Xiao, S.Z. - Li, R.H. - Lin, Q.F. - Yang, C.Y. - Zou, K. - Dan, F.J.: Supramolecular Chemistry, Vol. 26, No. 2, 2014, s. 104-110 - SCI

[o1] 2014 Suzuki, Y. - Sugihara, H. - Satomi, K. - Tominaga, M. - Mochida, S. - Kawamata, J.: Applied Clay Science, Vol. 96, July, 2014, s. 116-119 - SCI

[o1] 2014 Ohtani, Y. - Ishida, Y. - Ando, Y. - Tachibana, H. - Shimada, T. - Takagi, S.: Tetrahedron Letters, Vol. 55, No. 5, 2014, s. 1024-1027 - SCI

[o1] 2015 Sato, K. - Matsubara, K. - Hagiwara, S. - Saito, K. - Yagi, M. - Takagi, S. - Yui, T.: Langmuir, Vol. 31, No. 1, 2015, s. 27-31 - SCI

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[o1] 2015 Deng, S.Y. - Zhang, T.T. - Ji, X.B. - Wan, Y. - Xin, P. - Shan, D. - Zhang, X.J.: Analytical Chemistry, Vol. 87, No. 18, 2015, s. 9155-9162 - SCI

[o1] 2016 Roy, A.D. - Saha, J. - Dey, D. - Bhattacharjee, D. - Hussain, S.A.: Advanced Science Letters, Vol. 22, No. 1, 2016, s. 149-153 - SCI

ADC64 Jankovič, Ľuboš - Dimos, Konstantinos - Bujdák, Juraj [UKOPRCFZ] (10%) - Madejová, Jana - Gournis, Dimitrios - Karakassides, Michael A. - Komadel, Peter: Synthesis and characterization of low dimensional ZnS- and PbS-semiconductor particles on a montmorillonite template

Lit.: 41 zázň., 9 obr., 2 tab.

In: Physical Chemistry Chemical Physics. - Vol. 12, No. 42 (2010), s. 14236-14244

*Indikátor časopisu:*

IF (JCR) 2010=3,454

*Ohlasy (8):*

[o1] 2011 Gao, F. - Lv, C.F. - Han, J.X. - Li, X.Y. - Wang, Q. - Zhang, J. - Chen, C. - Li, Q. - Sun, X.F. - Zheng, J.C. - Bao, L.R. - Li, X.: Journal of Physical Chemistry C, Vol. 115, No. 44, 2011, s. 21574-21583 - SCI

[o1] 2013 Azzouz, A. - Nouisir, S. - Platon, N. - Ghomari, K. - Hersant, G. - Bergeron, J.Y. - Shiao, T.C. - Rej, R. - Roy, R.: Materials Research Bulletin, Vol. 48, No. 9, 2013, s. 3466-3473 - SCI

[o1] 2013 Feng, N. - Hu, D.K. - Wang, P. - Sun, X.L. - Li, X.W. - He, D.Y.: Physical Chemistry Chemical Physics, Vol. 15, No. 24, 2013, s. 9924-9930 - SCI

- [o1] 2013 Kershaw, S.V. - Susha, A.S. - Rogach, A.L.: Chemical Society Reviews, Vol. 42, No. 7, 2013, s. 3033-3087 - SCI
- [o1] 2014 Das, A. - Wai, C.M.: Ultrasonics Sonochemistry, Vol. 21, No. 2, 2014, s. 892-900 - SCI
- [o1] 2015 Kabilaphat, J. - Khaorapapong, N. - Ontam, A. - Ogawa, M.: European Journal of Inorganic Chemistry, Vol. 2015, No. 9, 2015, s. 1631-1637 - SCI
- [o1] 2015 Wang, G.L. - Liu, K.L. - Shu, J.X. - Gu, T.T. - Wu, X.M. - Dong, Y.M. - Li, Z.J.: Biosensors & Bioelectronics, Vol. 69, July, 2015, s. 106-112 - SCI
- [o1] 2015 Xie, M.H. - Ai, S.Q. - Yang, J. - Yang, Y.D. - Chen, Y.H. - Jin, Y.: Acs Applied Materials & Interfaces, Vol. 7, No. 31, 2015, s. 17112-17121 - SCI

ADC65 Klapetek, Petr - Bujdák, Juraj [UKOPRCFZ] (30%) - Bursik, Jiří: Near-field scanning optical microscopy local luminescence studies of rhodamine dye

Lit.: 17 zázň., 5 obr.

In: Central European Journal of Physics. - Vol. 8, No. 3 (2010), s. 312-317

*Indikátor časopisu:*

IF (JCR) 2010=0,696

*Ohlasy (1):*

- [o1] 2012 Ishibe, K. - Nakada, S. - Mera, Y. - Maeda, K.: Microscopy and Microanalysis, Vol. 18, No. 3, 2012, s. 591-595 - SCI

ADC66 Bujdák, Juraj [UKOPRCFZ] (50%) - Czimerová, Adriana (25%) - Lopez Arbeloa, Fernando (25%): Two-step resonance energy transfer between dyes in layered silicate films

Lit.: 61 zázň., 7 obr., 2 tab.

In: Journal of Colloid and Interface Science. - Vol. 364, No. 2 (2011), s. 497-504

*Indikátor časopisu:*

IF (JCR) 2011=3,070

*Ohlasy (6):*

- [o1] 2013 Dey, D. - Bhattacharjee, D. - Chakraborty, S. - Hussain, S.A.: Journal of Photochemistry and Photobiology A-Chemistry, Vol. 252, January, 2013, s. 174-182 - SCI
- [o1] 2013 Takagi, S. - Shimada, T. - Ishida, Y. - Fujimura, T. - Masui, D. - Tachibana, H. - Eguchi, M. - Inoue, H.: Langmuir, Vol. 29, No. 7, 2013, s. 2108-2119 - SCI
- [o1] 2013 Wang, X.Z. - Liu, Y.M. - Feng, H.N. - Dai, W.L. - Xu, Y.M. - Yu, W. - Fu, G.S.: European Physical Journal-Applied Physics, Vol. 62, No. 3, 2013, Art. No. 30303 - SCI
- [o1] 2014 Olivero, F. - Carniato, F. - Bisio, C. - Marchese, L.: Chemistry - An Asian Journal, Vol. 9, No. 1, 2014, s. 158-165 - SCOPUS
- [o1] 2015 Kedia, S. - Sinha, S.: Journal of Physical Chemistry C, Vol. 119, No. 16, 2015, s. 8924-8930 - SCI
- [o1] 2015 Ley, C. - Brendle, J. - Walter, A. - Jacques, P. - Ibrahim, A. - Allonas, X.: Physical Chemistry Chemical Physics, Vol. 17, No. 26, 2015, s. 16677-16681 - SCI

ADC67 Czimerová, Adriana (34%) - Jankovič, Luboš (33%) - Bujdák, Juraj [UKOPRCFZ] (33%): Spectral properties of rhodamine 6G in smectite dispersions: Effect of the monovalent cations

Lit.: 86 zázň., 8 obr., 2 tab.

In: Journal of Colloid and Interface Science. - Vol. 357, No. 2 (2011), s. 322-330

*Indikátor časopisu:*

IF (JCR) 2011=3,070

*Ohlasy (9):*

- [o1] 2011 Carbonaro, C.M.: Journal of Photochemistry and Photobiology A-Chemistry, Vol. 222, No. 1, 2011, s. 56-63 - SCI
- [o1] 2011 Egawa, T. - Watanabe, H. - Fujimura, T. - Ishida, Y. - Yamato, M. - Masui, D. - Shimada, T. - Tachibana, H. - Yoshida, H. - Inoue, H. - Takagi, S.: Langmuir, Vol. 27, No. 17, 2011, s. 10722-10729 - SCI
- [o1] 2012 Carbonaro, C.M. - Ricci, P.C. - Grandi, S. - Marceddu, M. - Corpino, R. - Salis, M. - Anedda, A.: RSC Advances, Vol. 2, No. 5, 2012, s. 1905-1912 - SCI
- [o1] 2013 Leone, G. - Giovanella, U. - Bertini, F. - Porzio, W. - Meinardi, F. - Botta, C. - Ricci, G.: Journal of Materials Chemistry C, Vol. 1, No. 7, 2013, s. 1450-1460 - SCI
- [o1] 2014 Osacky, M. - Geramian, M. - Liu, Q. - Ivey, D.G. - Etsell, T.H.: Energy and Fuels, Vol. 28, No. 2, 2014, s. 934-944 - SCI
- [o1] 2015 Hill, E.H. - Zhang, Y. - Whitten, D.G.: Journal of Colloid and Interface Science, Vol. 449, March, 2015, s. 347-356 - SCI
- [o1] 2015 Nakato, T. - Nakano, Y. - Mouri, E.: Applied Clay Science, Vol. 118, December, 2015, s. 29-37 - SCI

[o1] 2016 Barranco, A. - Borrás, A. - González-Elipe, A.R. - Palmero, A.: Progress in Materials Science, Vol. 76, July, 2016, s. 59-153 - SCI

[o1] 2016 Cao, Y.Q. - Sui, D.D. - Zhou, W.J. - Lu, C.: Sensors and Actuators B-Chemical, Vol. 225, March, 2016, s. 600-606 - SCI

ADC68 Čeklovský, Alexander (34%) - Takagi, S. (33%) - Bujdák, Juraj [UKOPRCFZ] (33%): Study of spectral behaviour and optical properties of cis/trans-bis (N-methylpyridinium-4-yl)diphenyl porphyrin adsorbed on layered silicates  
Lit.: 36 zázň., 6 obr., 1 tab.

In: Journal of Colloid and Interface Science. - Vol. 360, No. 1 (2011), s. 26-30

*Indikátor časopisu:*

IF (JCR) 2011=3,070

*Ohlasy (1):*

[o1] 2014 Drozd, D. - Szcubialka, K. - Skiba, M. - Kepczynski, M. - Nowakowska, M.: Journal of Physical Chemistry C, Vol. 118, No. 17, 2014, s. 9196-9202 - SCI

ADC69 Bujdák, Juraj [UKOPRCFZ] (75%) - Iyi, Nobuo (25%): Highly fluorescent colloids based on rhodamine 6G, modified layered silicate, and organic solvent

Lit.: 35 zázň., 6 obr., 3 tab.

In: Journal of Colloid and Interface Science. - Vol. 388 (2012), s. 15-20

*Indikátor časopisu:*

IF (JCR) 2012=3,172

*Ohlasy (2):*

[o1] 2015 Nakato, T. - Nakano, Y. - Mouri, E.: Applied Clay Science, Vol. 118, December, 2015, s. 29-37 - SCI

[o1] 2016 Tominaga, M. - Oniki, Y. - Mochida, S. - Kasatani, K. - Tani, S. - Suzuki, Y. - Kawamata, J.: Journal of Physical Chemistry C, Vol. 120, No. 41, 2016, s. 23813-23822 - SCI

ADC70 Lofaj, Marcel [UKOPRCFZ] (50%) - Bujdák, Juraj [UKOPRCFZ] (50%): Detection of smectites in ppm and sub-ppm concentrations using dye molecule sensors

Lit.: 28 zázň., 7 obr.

In: Physics and Chemistry of Minerals. - Vol. 39, No. 3 (2012), s. 227-237

*Indikátor časopisu:*

IF (JCR) 2012=1,304

*Ohlasy (3):*

[o1] 2014 Davis, J.W. - Kahl, M.S. - Golden, T.D.: Journal of Applied Polymer Science, Vol. 131, No. 8, 2014, s. 8 - SCI

[o1] 2015 Greathouse, J.A. - Geatches, D.L. - Pike, D.Q. - Greenwell, H.C. - Johnston, C.T. - Wilcox, J. - Cygan, R.T.: Clays and Clay Minerals, Vol. 63, No. 3-4, 2015, s. 185-198 - SCI

[o1] 2016 Tsukamoto, T. - Ramasamy, E. - Shimada, T. - Takagi, S. - Ramamurthy, V.: Langmuir, Vol. 32, No. 12, 2016, s. 2920-2927 - SCI

ADC71 Lofaj, Marcel [UKOPRCFZ] (40%) - Valent, Ivan [UKOPRCFZ] (20%) - Bujdák, Juraj [UKOPRCFZ] (40%): Mechanism of rhodamine 6G molecular aggregation in montmorillonite colloid

Lit.: 46 zázň., 5 obr., 1 schéma, 2 tab.

In: Central European Journal of Chemistry. - Vol. 11, No. 10 (2013), s. 1606-1619

*Indikátor časopisu:*

IF (JCR) 2013=1,329

*Ohlasy (7):*

[o1] 2014 Cai, Y.H. - Miao, Y.W. - Wang, Z.Y.: Asian Journal of Chemistry, Vol. 26, No. 4, 2014, s. 1237-1240 - SCI

[o1] 2014 Ishida, Y. - Kulasekharan, R. - Shimada, T. - Ramamurthy, V. - Takagi, S.: Journal of Physical Chemistry C, Vol. 118, No. 19, 2014, s. 10198-10203 - SCI

[o1] 2014 Ishida, Y. - Shimada, T. - Takagi, S.: Journal of Physical Chemistry C, Vol. 118, No. 35, 2014, s. 20466-20471 - SCI

[o1] 2014 Cyprych, K. - Sznitko, L. - Mysliwiec, J.: Organic Electronics, Vol. 15, No. 10, 2014, s. 2218-2222 - SCI

[o1] 2015 Garcia-Macedo, J.A. - Francisc, P. - Franco, A.: Nanophotonic Materials XII. Book Series: Proceedings of SPIE, Vol. 9545. Bellingham : SPIE-Int. Soc. Optical Engineering, 2015, Art. No. 95450F - CPCI-S

[o1] 2016 Ohdaira, Y. - Oka, H. - Shinbo, K. - Baba, A. - Kato, K. - Kaneko, F.: Japanese Journal of Applied Physics, Vol. 55, No. 2, 2016, s. 02bb09 - SCI

[o1] 2016 Chapman, M. - Mullen, M. - Novoa-Ortega, E. - Alhasani, M. - Elman, J.F. - Euler, W.B.: Journal of Physical Chemistry C, Vol. 120, No. 15, 2016, s. 8289-8297 - SCI

- ADC72 Bujdák, Juraj [UKOPRCFZ] (100%) : Layer-by-Layer Assemblies Composed of Polycationic Electrolyte, Organic Dyes, and Layered Silicates  
 Lit.: 49 zázň., 11 obr.  
 In: Journal of Physical Chemistry C. - Vol. 118, No. 13 (2014), s. 7152-7162  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
 IF (JCR) 2014=4,772  
*Kvartil Q:*  
 wos-jcr -- Q1 [chemistry, physical] ; Q2 [nanoscience and nanotechnology] ; Q1 [materials sciences, multidisciplinary] -- 2014  
*Ohlasy (5):*  
 [o1] 2014 Ishida, Y. - Kulasekharan, R. - Shimada, T. - Ramamurthy, V. - Takagi, S.: Journal of Physical Chemistry C, Vol. 118, No. 19, 2014, s. 10198-10203 - SCI  
 [o1] 2014 Liu, M.T. - Wang, T.L. - Ma, H.W. - Fu, Y. - Hu, K.R. - Guan, C.: Scientific Reports, Vol. 4, November, 2014, Art. No. 7147 - SCI  
 [o1] 2014 Zhou, W.J. - Guan, W.J. - Lu, C.: Chemical Communications, Vol. 50, No. 77, 2014, s. 11370-11373 - SCI  
 [o1] 2015 Cho, C. - Wallace, K.L. - Hagen, D.A. - Stevens, B. - Regev, O. - Grunlan, J.C.: Nanotechnology, Vol. 26, No. 18, 2015, Art. No. 185703 - SCI  
 [o1] 2015 Sorokin, A.V. - Zabolotskii, A.A. - Pereverzev, N.V. - Bespalova, II - Yefimova, S.L. - Malyukin, Y.V. - Plekhanov, A.I.: Journal of Physical Chemistry C, Vol. 119, No. 5, 2015, s. 2743-2751 - SCI
- ADC73 Belušáková, Silvia [UKOPRCFZ] (40%) - Lang, Kamil (20%) - Bujdák, Juraj [UKOPRCFZ] (40%): Hybrid Systems Based on Layered Silicate and Organic Dyes for Cascade Energy Transfer  
 Lit.: 46 zázň., 12 obr., 5 tab.  
 In: Journal of Physical Chemistry C. - Vol. 119, No. 38 (2015), s. 21784-21794  
*Registrované v:* scopus, wos  
*Indikátor časopisu:*  
 IF (JCR) 2015=4,509  
*Kvartil Q:*  
 wos-jcr -- Q1 [chemistry, physical] ; Q2 [nanoscience and nanotechnology] ; Q1 [materials sciences, multidisciplinary] -- 2014  
*Ohlasy (8):*  
 [o1] 2016 Riaz, U. - Ashraf, S.M. - Kumar Saroj, S. - Zeeshan, M. - Jadoun, S.: RSC Advances, Vol. 6, No. 41, 2016, s. 34534-34545 - SCI ; SCOPUS  
 [o1] 2016 Tsukamoto, T. - Ramasamy, E. - Shimada, T. - Takagi, S. - Ramamurthy, V.: Langmuir, Vol. 32, No. 12, 2016, s. 2920-2927 - SCI ; SCOPUS  
 [o1] 2016 Tsukamoto, T. - Shimada, T. - Takagi, S.: ACS Applied Materials and Interfaces, Vol. 8, No. 11, 2016, s. 7522-7528 - SCI ; SCOPUS  
 [o1] 2016 Okada, D. - Nakamura, T. - Braam, D. - Dao, T.D. - Ishii, S. - Nagao, T. - Lorke, A. - Nabeshima, T. - Yamamoto, Y.: ACS Nano, Vol. 10, No. 7, 2016, s. 7058-7063 - SCI ; SCOPUS  
 [o1] 2016 Okada, D. - Nakamura, T. - Braam, D. - Dao, T.D. - Ishii, S. - Nagao, T. - Lorke, A. - Nabeshima, T. - Yamamoto, Y.: ACS Nano, Vol. 10, No. 7, 2016, s. 7058-7063 - SCI  
 [o1] 2016 Riaz, U. - Ashraf, S.M. - Saroj, S.K. - Zeeshan, M. - Jadoun, S.: RSC Advances, Vol. 6, No. 41, 2016, s. 34534-34545 - SCI  
 [o1] 2016 Tsukamoto, T. - Ramasamy, E. - Shimada, T. - Takagi, S. - Ramamurthy, V.: Langmuir, Vol. 32, No. 12, 2016, s. 2920-2927 - SCI  
 [o1] 2016 Tsukamoto, T. - Shimada, T. - Takagi, S.: Acs Applied Materials & Interfaces, Vol. 8, No. 11, 2016, s. 7522-7528 - SCI
- ADC74 Bujdák, Juraj [UKOPRCFZ] (100%) : Effect of Layer Charge on the Formation of Polymer/Layered Silicate Nanocomposites: Intercalation of Polystyrene  
 Lit.: 48 zázň., 4 obr., 2 tab.  
 In: Journal of Physical Chemistry C. - Vol. 119, No. 21 (2015), s. 12016-12022  
*Registrované v:* wos, scopus  
*Indikátor časopisu:*  
 IF (JCR) 2015=4,509  
*Kvartil Q:*  
 wos-jcr -- Q1 [chemistry, physical] ; Q2 [nanoscience and nanotechnology] ; Q1 [materials sciences, multidisciplinary] -- 2014



*Ohlasy (2):*

[o1] 2015 Suter, J.L. - Groen, D. - Coveney, P.V.: Nano Letters, Vol. 15, No. 12, 2015, s. 8108-8113 - SCI

[o1] 2016 Fu, M. - Zhang, Z.P. - Wu, L.M. - Zhuang, G.Z. - Zhang, S. - Yuan, J.Y. - Liao, L.B.: Applied Clay Science, Vol. 132, Sp. Iss., November, 2016, s. 694-701 - SCI

ADC75 Bujdák, Juraj [UKOPRCFZ] (100%) : Hybrid systems based on organic dyes and clay minerals: Fundamentals and potential applications

Lit.: 158 zázň., 7 obr., 1 tab.

In: Clay Minerals. - Vol. 50, No. 5 (2015), s. 549-571

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015=0,874

*Kvartil Q:*

wos-jcr -- Q4 [chemistry, physical] ; Q4 [geosciences, multidisciplinary] ; Q3 [mineralogy] -- 2015

*Ohlasy (1):*

[o1] 2016 Stanjek, H. - Kunkel, D.: Clay Minerals, Vol. 51, No. 1, 2016, s. 1-17 - SCI

ADC76 Donauerová, Alena [UKOPRBMV] (40%) - Bujdák, Juraj [UKOPRCFZ] (25%) - Smolinská, Miroslava [UKOPRBMV] (5%) - Bujdáková, Helena [UKOPRBMV] (30%): Photophysical and antibacterial properties of complex systems based on smectite, a cationic surfactant and methylene blue

Lit.: 28 zázň., 4 obr., 4 tab.

In: Journal of Photochemistry and Photobiology B: Biology. - Vol. 151, October (2015), s. 135-141

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015=3,035

*Kvartil Q:*

wos-jcr -- Q2 [biochemistry and molecular biology] ; Q2 [biophysics] -- 2014

*Ohlasy (1):*

[o1] 2016 Hill, E.H. - Claes, N. - Bals, S. - Liz-Marzán, L.M.: Chemistry of Materials, Vol. 28, No. 14, 2016, s. 5131-5139 - SCI ; SCOPUS

ADC77 Sas, Samuel (30%) - Danko, Martin (30%) - Lang, Kamil (10%) - Bujdák, Juraj [UKOPRCFZ] (30%): Photoactive hybrid material based on kaolinite intercalated with a reactive fluorescent silane

Lit.: 61 zázň., 4 obr.

In: Applied Clay Science. - Vol. 108, May (2015), s. 208-214

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015=2,586

*Kvartil Q:*

wos-jcr -- Q2 [chemistry, physical] ; Q1 [materials sciences, multidisciplinary] ; Q1 [mineralogy] -- 2014

ADC78 Baranyaiová, Tímea [UKOPRCFZ] (50%) - Bujdák, Juraj [UKOPRCFZ] (50%): Reaction kinetics of molecular aggregation of rhodamine 123 in colloids with synthetic saponite nanoparticles

Lit.: 22 zázň., 8 obr., 2 tab.

In: Applied Clay Science. - Vol. 134, Part 2, Sp. Iss. (2016), s. 103-109

*Registrované v:* scopus, wos

*Indikátor časopisu:*

IF (JCR) 2016= [2015-2,586]

*Kvartil Q:*

wos-jcr -- Q2 [chemistry, physical] ; Q2 [materials science, multidisciplinary] ; Q1 [mineralogy] -- 2015

ADC79 Boháč, Peter [UKOPRSAV] (50%) - Czímerová, A. (5%) - Bujdák, Juraj [UKOPRCFZ] (45%): Enhanced luminescence of 3,3'-diethyl-2,2'-thiacyanine cations adsorbed on saponite particles

Lit.: 30 zázň., 7 obr.

In: Applied Clay Science. - Vol. 127-128, July (2016), s. 64-69

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2016= [2015-2,586]

*Kvartil Q:*

wos-jcr -- Q2 [chemistry, physical] ; Q2 [materials science, multidisciplinary] ; Q1 [mineralogy] -- 2015

ADC80 Bujdák, Juraj [UKOPRCFZ] (50%) - Ratulovská, Jana (25%) - Donauerová, Alena [UKOPRBMV] (15%) - Bujdák, Helena [UKOPRBMV] (10%): Hybrid Materials Based on Luminescent Alkaloid Berberine and Saponite

Lit.: 11 zázň., 4 obr.

In: Journal of Nanoscience and Nanotechnology. - Vol. 16, No. 8 (2016), s. 7801-7804

Registrované v: wos, scopus

Indikátor časopisu:

IF (JCR) 2016= [2015-1,338]

Kvartil Q:

wos-jcr -- Q2 [chemistry, multidisciplinary] ; Q3 [nanoscience & nanotechnology] ; Q3 [materials science, multidisciplinary] ; Q3 [physics, applied] ; Q3 [physics, condensed matter] -- 2015

ADC81 Valent, Ivan [UKOPRCFZ] (38%) - Topoľská, Dominika (15%) - Valachová, Katarína (15%) - Bujdák, Juraj [UKOPRCFZ] (12%) - Šoltés, Ladislav (20%): Kinetics of ABTS derived radical cation scavenging by bucillamine, cysteine, and glutathione. Catalytic effect of Cu<sup>2+</sup> ions

Lit.: 40 zázň., 8 obr.

In: Biophysical Chemistry. - Vol. 212, May (2016), s. 9-16

Registrované v: wos, scopus

Indikátor časopisu:

IF (JCR) 2016= [2015-2,363]

Kvartil Q:

wos-jcr -- Q3 [biochemistry and molecular biology] ; Q2 [biophysics] -- 2014

ADC82 Sas, Samuel [UKOPRCAG] (30%) - Danko, Martin (20%) - Bizovská, Valéria (10%) - Lang, Kamil (10%) - Bujdák, Juraj [UKOPRCFZ] (30%): Highly luminescent hybrid materials based on smectites with polyethylene glycol modified with rhodamine fluorophore

Lit.: 49 zázň., 11 obr., 1 tab.

In: Applied Clay Science. - Vol. 138, March (2017), s. 25-33

Registrované v: scopus, wos

Indikátor časopisu:

IF (JCR) 2017= [2015-2,586]

Kvartil Q:

wos-jcr -- Q2 [chemistry, physical] ; Q2 [materials science, multidisciplinary] ; Q1 [mineralogy] -- 2015

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

ADD01 Danko, Martin (20%) - Mičušík, Matej (20%) - Omastová, Mária (20%) - Bujdák, Juraj [UKOPRCFZ] (20%) - Chorvát, Dušan (20%): Spectral characterisation of new organic fluorescent dyes with an alkoxysilane moiety and their utilisation for the labelling of layered silicates

Lit.: 34 zázň., 9 obr., 2 tab.

In: Chemical papers. - Vol. 67, No. 1 (2013), s. 18-28

Indikátor časopisu:

IF (JCR) 2013=1,193

Ohlasy (5):

[o1] 2014 Bilgic, C. - Yazici, D.T. - Karakehya, N. - Cetinkaya, H. - Singh, A. - Chehimi, M.M.: International Journal of Adhesion and Adhesives, Vol. 50, April, 2014, s. 204-210 - SCI

[o1] 2014 Vuori, L. - Hannula, M. - Lahtonen, K. - Jussila, P. - Ali-Loytty, H. - Hirsimäki, M. - Parna, R. - Nommiste, E. - Valden, M.: Applied Surface Science, Vol. 317, October, 2014, s. 856-866 - SCI

[o1] 2015 Felheck, T. - Hoffmann, K. - Lezhnina, M.M. - Kynast, U.H. - Resch-Genger, U.: Journal of Physical Chemistry C, Vol. 119, No. 23, 2015, s. 12978-12987 - SCI

[o1] 2015 Jeong, S.G. - Chang, S.J. - We, S. - Kim, S.: Solar Energy Materials and Solar Cells, Vol. 139, August, 2015, s. 65-70 - SCI

[o1] 2016 Msaadi, R. - Gharsalli, A. - Mahouche-Chergui, S. - Nowak, S. - Salmi, H. - Carbonnier, B. - Ammar, S. - Chehimi, M.M.: Surface and Interface Analysis, Vol. 48, No. 7, 2016, s. 532-537 - SCI

#### **BCI Skriptá a učebné texty**

BCI01 Bujdák, Juraj [UKOPRCFZ] (100%) : Úlohy a príklady Chemickej olympiády zo všeobecnej chémie [elektronický zdroj]. -

[1. vyd.]. - Bratislava : Univerzita Komenského, 2012. - 97 s. [CD-ROM]

Lit.: 18 zázn.

ISBN 978-80-223-3259-0

BCI02 Bujdák, Juraj [UKOPRCFZ] (100%) : Úlohy a príklady Chemickej olympiády zo všeobecnej chémie II [elektronický zdroj]. - 1. vyd. - Bratislava : Univerzita Komenského, 2016. - 91 s. [online]

Lit.: 10 zázn.

ISBN 978-80-223-4095-3

URL:

[http://online.fliphtml5.com/hlot/vnsq/#p=4http://fns.uniba.sk/fileadmin/prif/chem/kfz/Udalosti/Bujdak\\_ISBN978\\_80\\_223\\_4095\\_3.pdf](http://online.fliphtml5.com/hlot/vnsq/#p=4http://fns.uniba.sk/fileadmin/prif/chem/kfz/Udalosti/Bujdak_ISBN978_80_223_4095_3.pdf)

**Štatistika kategórií (Záznamov spolu: 137, z nich je v prehľade uvedených 87):**

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (2)

ADC Vedecké práce v zahraničných karentovaných časopisoch (82)

ADD Vedecké práce v domácich karentovaných časopisoch (1)

BCI Skriptá a učebné texty (2)

**Štatistika kategórií prác nezarađených do prehľadu (Záznamov spolu: 50):**

ADE Vedecké práce v ostatných zahraničných časopisoch (7)

ADF Vedecké práce v ostatných domácich časopisoch (4)

AFB Publikované pozvané príspevky na domácich vedeckých konferenciách (1)

AFC Publikované príspevky na zahraničných vedeckých konferenciách (1)

AFD Publikované príspevky na domácich vedeckých konferenciách (6)

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (4)

AFH Abstrakty príspevkov z domácich vedeckých konferencií (4)

AGI Správy o vyriešených vedeckovýskumných úlohách (1)

BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (3)

BEF Odborné práce v domácich zborníkoch (konferenčných aj nekonferenčných) (6)

BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...) (8)

BFB Abstrakty odborných prác z domácich podujatí (konferencie, ...) (1)

GAI Správy (1)

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (3)

**Štatistika ohlasov (1687):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (1684)

[o2] Citácie v domácich publikáciách registrované v citačných indexoch (2)

[o3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch (1)