***Pavol Jozef Šafárik University***

***Wisdom of the Past – Knowledge of the Present – Education of the Future***

**The Most-Cited Papers and Monographs by   
Pavol Jozef Šafárik University’s Researchers Published in 2007 – 2011 Listed by Faculties and Research Areas**

**Faculty of Medicine**

**Research Area 18: Medical and Pharmacological Sciences**

**The three most-cited papers in 2007 – 2011:**

1. cited **52 times:**

(ADC) **Dorková, Zuzana - Petrášová, Darina - Molčányiová, Angela - Popovňáková, Marcela - Tkáčová, Ružena**

Effects of CPAP on cardiovascular risk profile in patients with severe obstructive sleep apnea and metabolic syndrome.

CHEST : the Cardiopulmonary and Critical Care Journal, 134 (2008) 686-692.

2. cited **50 times:**

(ADC) De Keyser, J. - **Gdovinová, Zuzana** - Luijckx, G.J. - Uyttenboogaart, M. - Vroomen, P.C.:

Intravenous alteplase for stroke: beyond the guidelines and in particular clinical situations.

Stroke, 38(9) (2007) 2612-2618.

3. cited **50 times:**

(ADC) **Mojžiš, Ján** - **Varinská, Lenka - Mojžišová, Gabriela** - Kostova, I. - **Mirossay,**

**Ladislav**:

Antiangiogenic effects of flavonoids and chalcones.

Pharmacological Research - Vol. 57 (2008), p. 259-265.

**Faculty of Science**

**Research Area 9: Physics, Earth and Universe Sciences**

**The three most-cited papers in 2007 – 2011:**

1. cited **38 times:**

(ADC) Abelev, B.I. - **Fedorišin, Ján - Lehocká, Sabina - Vokál, Stanislav**:

Transverse momentum and centrality dependence of high-pT non-photonic electron suppression in Au+Au collisions at sqrt(sNN) = 200 GeV.

Physical Review Letters, 98(19) (2007) 192301-1 - 192301-6.

2. cited **33 times**:

(ADC) **Komanický, Vladimír** - Iddir, Hakim - Chang, Kee-Chul - Menzel, Andreas - Karapetrov, Goran - Hennessy, Daniel - You, Hoydoo - Zapol, Peter

Shape-dependent activity of platinum array catalyst.

Journal of the American Chemical Society, 131(16) (2009) 5732-5733.

3. cited **31 times**:

(ADC) Aamodt, Kenneth - **Bombara, Marek** **- Putiš, Marián - Urbán, Jozef - Vrláková, Janka**

Charged-particle multiplicity measurement in proton-proton collisions at √s=0.9 a 2.36 TeV with ALICE at LHC.

European Physical Journal, C68(1-2) (2010) 89-108.

**Research Area 10: Environmental Science and Ecology**

**The three most-cited papers in 2007 – 2011:**

1. cited **16 times:**

(ADC) Kováčik, Jozef - **Bačkor, Martin**:

Phenylalanine ammonia-lyase and phenolic compounds in chamomile tolerance to cadmium and copper excess.

Water Air and Soil Pollution, 185 (2007) 185-193.

2. cited **10 times:**

(ADC) Kováčik, Jozef - Klejdus, Bořivoj - Kaduková, Jana - **Bačkor, Martin**:

Physiology of Matricaria chamomilla exposed to nickel excess.

Ecotoxicology and Environmental Safety, 72 (2009) 603-609.

3. cited **9 times:**

(ADC) Kováčik, Jozef - Grúz, Jiří - **Bačkor, Martin** - Tomko, Jaroslav - Strnad, Miroslav - **Repčák, Miroslav**:

Phenolic compounds composition and physiological attributes of Matricaria chamomilla grown in copper excess

Environmental and Experimental Botany, 62 (2008) 145-152.

**Research Area 12: Chemistry, Chemical Technology and Biotechnology**

**The three most-cited papers in 2007 – 2011:**

**1.** cited **32 times:**

(ADC) Knöfel, C. - Benzaouia, A. - Descanpertries, J. - Hornebecq, Virginie - Llewellyn, Philip - Mornet, S. - **Zeleňák, Vladimír:**

Functionalised micro-/mesoporous silica for the adsorption of carbon

Microporous and Mesoporous Materials, 99 (2007) 79-85.

1. citated **21 times:**

(ADC) **Zeleňák, Vladimír** - Halamová, Dáša - Gaberová, lucia - Bloch, E. - Llewellyn, Philip:

Amine-modified SBA-12 mesoporous silica for carbon dioxide capture: effect of amine basicity on sorption properties

Microporous and Mesoporous Materials, 116 (2008) 358-364.

(ADC) **Zeleňák, Vladimír** - Badaničová, Mária - Halamová, Dáša - Čejka, Jiří - Zukal, Arnošt - Murafa, Natalia - Goerigk, G.:

Amine-modified ordered mesoporous silica: Effect of pore size on carbon dioxide capture.

Chemical Engineering Journal, 144(2) (2008) 336-342.

(ADC) **Zeleňák, Vladimír** - **Györyová, Katarína** - **Vargová, Zuzana**:

Correlation of infrated spectra of zinc(II) carboxylates with their structures.

Spectrochimica Acta, Part A66(2) (2007) 262-272.

**Research Area 13: Natural Sciences**

**The three most-cited papers in 2007 – 2011:**

1. cited **35 times:**

(ADC) Kováčik, Jozef - **Bačkor, Martin** - Klejdus, Bořivoj - **Repčák, Miroslav**:

Phenylalanine ammonia-lyase activity and phenolic compounds accumulation in nitrogen deficient Matricaria chamomilla leaf rosettes.

Plant Science, 172 (2007) 393-399.

2. cited **23 times:**

(ADC) Jeong, Jee-Yeong - Feldman, Laurie - **Solár, Peter** - Szenajch, Jolanta - Sytkowski, Arthur:

Characterization of erythropoietin receptor and erythropoietin expression and function in human ovarian cancer cells.

International Journal of Cancer, 122(2) (2008) 274-280.

3. cited **16 times:**

(ADC) **Solár, Peter** - Feldman, Laurie - Jeong, Jee-Yeong - Busingye, Jacqueline - Sytkowski, Arthur:

Erythropoietin treatment of human ovarian cancer cells: Results in enhanced signaling and a paclitaxel-resistant phenotype.

International Journal of Cancer – 122(2) (2008) 281-288.

**Research Area 16: Computer Sciences, Automatisation and Telecommunications**

**The three most-cited papers in 2007 – 2011:**

1. cited **4 times:**

(ADC) **Geffert, Viliam**:

Magic numbers in the state hierarchy of finite automata.

Information and Computation, 205 (2007) 1652-1670.

2. cited **3 times:**

(ADC) **Geffert, Viliam** - Mereghetti, Carlo - Pighizzini, Giovanni

Complementing two-way finite automata.

Information and Computation, 205 (2007) 1173-1187.

3. cited **3 times:**

(ADC) Badr, Andrew - **Geffert, Viliam** - Shipman, Ian:

Hyper-minimizing minimized deterministic finite state automata.

RAIRO-Theoretical Informatics and Applications, 43(1) (2009) 69-94.

**Research Area 24: Mathematics and Statistics**

**The three most-cited papers in 2007 – 2011:**

1. cited **20 times:**

(ADE) Bača, Martin - **Jendroľ, Stanislav** - Miller, Mirka - Ryan, Joseph

On irregular total labellings.

Discrete Mathematics, 307 (2007) 1378-1388.

2. cited **15 times:**

(ADE) **Fabrici, Igor - Madaras, Tomáš**

The structure of 1-planar graphs

Discrete Mathematics, 307 (2007) 854-865.

3. cited **14 times:**

(ADE) Győri, Ervin - **Horňák, Mirko** - Palmer, C. - Woźniak, Mariusz:

General neighbour-distinguishing index of a graph.

Discrete Mathematics, 308 (2008) 827-831.

**Faculty of Law**

**Research Area 7: Law and International Relations**

**The three most-cited papers in 2007 – 2011:**

1. cited **44 times**:

(AAB) **Ján Husár:**

Právna regulácia ingerencie verejnej moci do podnikania. (Hospodárske právo - náčrt teórie a systému).  
Equilibria, Košice, 2007. - 266 s. - ISBN 978-80-89284-05-4.

**2.** cited **19 times**:

(AAB) **Milena Barinková:**

Sociálna ochrana zamestnancov so zodpovednosťou za rodinu.

UPJŠ, Košice, 2007. - 180 s. - ISBN 978-80-7097-677-7.

**3.** cited **16 times**:

(AAA) **Kristián Csach:**  
Štandardné zmluvy.

Vydavatelství a nakladatelství Aleš Čeněk, Plzeň, 2009, 331 s. ISBN 9788073801991.

**Faculty of Public Administration**

**Research Area 6: Social and Behavioural Sciences**

**The three most-cited papers in 2007 – 2011:**

**1.** cited **11 times**:

(ACB) **Igor Palúš,** Ľudmila Somorová:

Štátne právo Slovenskej republiky

Univerzita P. J. Šafárika v Košiciach, 2008.

1. cited **8 times**:

(ADC) **Silvia** **Ručinská:**

Ausgebremst oder durchgestartet? the Slovak Economy under the Fico

Osteuropa, 57(10) (2007) 67-83.

1. cited **7 times**:

(BCI) **Sedláková, Slávka:**

Strategický manažment vo verejnej správe

Košice: Univerzita Pavla Jozefa Šafárika v Košiciach, 2009.

**Faculty of Arts**

**The three most-cited papers in 2007 – 2011:**

**Research Area 1: Educational Science**

**1.** cited **6 times**:

(AEC) Bajtoš, Ján - **Orosová, Renáta**:

Mikrovyučovanie ako prostriedok rozvoja učiteľských kompetencií

Média a vzdělávání 2009 : sborník recenzovaných příspěvků mezinárodní vědecké elektronické konference - S. 9-11.

**2.** cited **3 times**:

(ADE) **Búšová, Katarína:**

Profesionálná náhradná matka. Rodič alebo profesionál?

Biograf, 48 (2009) 1-23.

**3.**  cited **2 times**:

(AEE) **Orosová, Renáta:**

Pregradual preparation of students in realation to psycho-didactic competencies.

Modern achievements of science and education : III International Conference : September 16-23, 2009, Tel Aviv (Israel) – S. 139-141.

**Research Area 2: Humanities**

1. cited **23 times**:

(AED) **Nezník, Peter:**

Patočka, Leibniz a dejiny filozofie / Patočkova asubjektívna fenomenológia a dejiny filozofie, S. 124-147

1. cited **21 times**:

(CAB) **Andričík, Marián:**

Beatnici / Bratislava: Vydavateľstvo SLOVART, 2010.

**3.** cited **14 times:**

(CAA) **Mičaninová, Mária:**

Koruna kráľovstva rabi Šlomo ben Gabirola/Praha: Bergman, 2010.

**Research Area 3: History and Ethnology**

1. cited **2 times**:

(ABD) **Šutaj, Štefan** - Sáposová, Zlatica

Národnostné menšiny 2007 / Slovensko 2007 : súhrnná správa o stave spoločnosti - S. 164-192.

1. cited **2 times**:

(ABD) **Šutaj, Štefan** - Sáposová, Zlatica:

Národnostné menšiny 2008 / Slovensko 2008: súhrnná správa o stave spoločnosti - S. 175-210.

**Research Area 6: Social and Behavioural Sciences**

1. cited **37 times**:

(AFD) Kočišová, Agnesa - Králiková, V. - Šiňanská, Katarína:

Hľadanie potenciálov sociálnej práce v problematike migrácie v Slovenskej republike

Migrácia - chudoba - nezamestnanosť: zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou konanej dňa 11.12.2009 v Košiciach - S. 49-58.

1. cited **25 times**:

(AFD) **Lovašová, Soňa:**

Násilie v práci

Drogová prevencia v sociálnej práci: zborník príspevkov z medzinárodnej vedeckej konferencie mladých vedeckých pracovníkov Drogy a s nimi súvisiace sociálno-patologické javy a možnosti sociálnej práce, konanej dňa 20.11.2009 v Košiciach - S. 94-99.

1. cited **23 times**:

(ACB) **Šlosár, Dušan:**

Drogová prevencia v sociálnej práci: zborník príspevkov z medzinárodnej vedeckej konferencie mladých vedeckých pracovníkov Drogy a s nimi súvisiace sociálno-patologické javy a možnosti sociálnej práce, konanej dňa 20.11.2009/Košice: Košický samosprávny kraj, 2009.