

Publicaciones 2014

- Parellada M, Penzol MJ, Pina L, Moreno C, González-Vioque E, Zalsman G, Arango C. *The neurobiology of autism spectrum disorders.* Eur Psychiatry. 2014 Jan; 29(1):11-9. FI: 3.439 Q2.
- Sala R, Strober MA, Axelson DA, Gill MK, Castro-Fornieles J, Goldstein TR, Goldstein BI, Ha W, Liao F, Iyengar S, Yen S, Hower H, Hunt J, Dickstein DP, Ryan ND, Keller MB, Birmaher B. *Effects of comorbid anxiety disorders on the longitudinal course of pediatric bipolar disorders.* J Am Acad Child Adolesc Psychiatry 2014; 53(1):72-81 FI: 6.354 Q1.
- Hoekzema E, Carmona S, Ramos-Quiroga JA, Canals C, Moreno A, Richarte Fernández V, Picado M, Bosch R, Duñó L, Soliva JC, Rovira M, Bulbena A, Tobeña A, Casas M, Vilarroya O. *Stimulant drugs trigger transient volumetric changes in the human ventral striatum.* Brain Struct Funct. 2014; 219(1):23-34. FI: 4.567 Q1.
- Fraguas D, Del Rey-Mejías A, Moreno C, Castro-Fornieles J, Graell M, Otero S, Gonzalez-Pinto A, Moreno D, Baeza I, Martínez-Cengotitabengoa M, Arango C, Parellada M. *Duration of untreated psychosis predicts functional and clinical outcome in children and adolescents with first-episode psychosis: A 2-year longitudinal study.* Schizophr Res. 2014;152(1):130-8. FI: 4.426 Q1.
- Pilar-Cúellar F, Vidal R, Díaz A, Castro E, dos Anjos S, Vargas V, Romero B, Valdizán EM. *Signaling Pathways Involved in Antidepressant-Induced Cell Proliferation and Synaptic Plasticity.* Curr Pharm Des. 2014;20(23):3776-94. FI: 3.288 Q1.
- Coghill DR, Banaschewski T, Lecendreux M, Soutullo C, Zuddas A, Adeyi B, Sorooshian S. *Post hoc analyses of the impact of previous medication on the efficacy of lisdexamfetamine dimesylate in the treatment of attention-deficit/hyperactivity disorder in a randomized, controlled trial.* Neuropsychiatr Dis Treat. 2014 Oct 29;10:2039-47 FI: 1.741 Q3.
- García-Montojo M, de la Hera B, Varadé J, de la Encarnación A, Camacho I, Domínguez-Mozo M, Árias-Leal A, García-Martínez A, Casanova I, Izquierdo G, Lucas M, Fedetz M, Alcina A, Arroyo R, Matesanz F, Urcelay E, Alvarez-Lafuente R. *HERV-W polymorphism in chromosome X is associated with multiple sclerosis risk and with differential expression of MSRV.* Retrovirology. 2014; 9;11:2 FI: 4.767 Q1.
- De la Torre R, De Sola S, Pons M, Duchon A, de Lagran MM, Farré M, Fitó M, Benejam B, Langohr K, Rodriguez J, Pujadas M, Bizot JC, Cuenca A, Janel N, Catuara S, Covas MI, Blehaut H, Herault Y, Delabar JM, Dierssen M. *Epigallocatechin-3-gallate, a DYRK1A inhibitor, rescues cognitive deficits in Down syndrome mouse models and in humans.* Mol Nutr Food Res. 2014; 58(2):278-88. FI: 4.909 Q1.
- González-Blanch C, Álvarez-Jiménez M, Ayesa-Arriola R, Martínez-García O, Pardo-García G, Balanzá-Martínez V, Suárez-Pinilla P, Crespo-Facorro B. *Differential associations of cognitive insight components with pretreatment characteristics in first-episode psychosis.* Psychiatry Res. 2014; 215(2):308-13 FI: 2.602 Q2.
- Gómez-Garre P, Jesús S, Carrillo F, Cáceres-Redondo MT, Huertas-Fernández I, Bernal-Bernal I, Bonilla-Toribio M, Vargas-González L, Carballo M, Mir P. *Systematic mutational analysis of FBXO7 in a Parkinson's*

- disease population from southern Spain.* Neurobiol Aging. 2014 Mar;35(3):727.e5-7 FI: 4.853 Q1.
- **Cid E, Gomez-Dominguez D, Martin-Lopez D, Gal B, Laurent F, Ibarz JM, Francis F, Menendez de la Prida L** *Dampened hippocampal oscillations and enhanced spindle activity in an asymptomatic model of developmental cortical malformations.* Front Syst Neurosci. 2014 Apr 14;8:50.
 - **Arango C, Fraguas D, Parellada M** *Differential Neurodevelopmental Trajectories in Patients With Early-Onset Bipolar and Schizophrenia Disorders* Schizophr Bull. 2014;40 Suppl 2:S138-46 FI: 8.607 Q1.
 - **Cáceres-Redondo MT, Carrillo F, Lama MJ, Huertas-Fernández I, Vargas-González L, Carballo M, Mir P** *Long-term levodopa/carbidopa intestinal gel in advanced Parkinson's disease.* J Neurol. 2014;261(3):561-9. FI: 3.841 Q1.
 - **Fleischhacker WW, Arango C, Arteel P, Barnes TR, Carpenter W, Duckworth K, Galderisi S, Halpern L, Knapp M, Marder SR, Moller M, Sartorius N, Woodruff P** *Schizophrenia-Time to Commit to Policy Change.* Schizophr Bull. 2014;40 Suppl 3:S165-94. FI: 8.607 Q1.
 - **Perez-Rodriguez MM, Baca-Garcia E, Oquendo MA, Wang S, Wall MM, Liu SM, Blanco C** *Relationship Between Acculturation, Discrimination, and Suicidal Ideation and Attempts Among US Hispanics in the National Epidemiologic Survey of Alcohol and Related Conditions* J Clin Psychiatry. 2014;75(4):399-407 FI: 5.139 Q1.
 - **Marsh R, Horga G, Parashar N, Wang Z, Peterson BS, Simpson HB** *Altered Activation in Fronto-Striatal Circuits During Sequential Processing of Conflict in Unmedicated Adults with Obsessive-Compulsive Disorder* Biol Psychiatry. 2014;75(8):615-22. FI: 9.472 Q1.
 - **Tzanoulinou S, García-Mompó C, Castillo-Gómez E, Veenit V, Nacher J, Sandi C** *Long-Term Behavioral Programming Induced by Peripuberty Stress in Rats Is Accompanied by GABAergic-Related Alterations in the Amygdala* PLoS One. 2014;9(4):e94666 FI: 3.534 Q1.
 - **Ortiz T, Poch J, Santos JM, Martínez AM, Ortiz-Terán L, Requena C, Barcia JA, de Erausquin GA, Pascual-Leone A** *Occipital cortex activation by long-term repetitive tactile stimulation is necessary for object recognition in blinds: A case report* Neurocase. 2014;20(3):273-82 FI: 1.381 Q3.
 - **de Andrés C, Tejera-Alhambra M, Alonso B, Valor L, Teijeiro R, Ramos-Medina R, Mateos D, Faure F, Sánchez-Ramón S** *New regulatory CD19(+) CD25(+) B-cell subset in clinically isolated syndrome and multiple sclerosis relapse. Changes after glucocorticoids* J Neuroimmunol. 2014;270(1-2):37-44 FI: 2.786 Q3.
 - **Martínez-Cengotitabengoa M, Micó JA, Arango C, Castro-Fornieles J, Graell M, Payá B, Leza JC, Zorrilla I, Parellada M, López MP, Baeza I, Moreno C, Rapado-Castro M, González-Pinto A** *Basal low antioxidant capacity correlates with cognitive deficits in early onset psychosis. A 2-year follow-up study.* Schizophr Res. 2014 Jun; 156(1):23-9. FI: 4.426 Q1.
 - **Alvarez-Jimenez M, Alcazar-Corcoles MA, González-Blanch C, Bendall S, McGorry PD, Gleeson JF** *Online, social media and mobile technologies for psychosis treatment: A systematic review on novel user-led interventions.* Schizophr Res. 2014 Jun;156(1):96-106 FI: 4.426 Q1.
 - **Radua J, Grau M, van den Heuvel OA, Thiebaut de Schotten M, Stein DJ, Canales-Rodríguez EJ, Catani M, Mataix-Cols D** *Multimodal Voxel-Based*

- Meta-Analysis of White Matter Abnormalities in Obsessive-Compulsive Disorder* Neuropsychopharmacology. 2014 Jun;39(7):1547-57 FI: 7.833 Q1.
- **Blázquez A, Mas S, Plana MT, Gassó P, Méndez I, Torra M, Arnaiz JA, Lafuente A, Lázaro L.** *Plasma Fluoxetine Concentrations and Clinical Improvement in an Adolescent Sample Diagnosed With Major Depressive Disorder, Obsessive-Compulsive Disorder, or Generalized Anxiety Disorder* J Clin Psychopharmacol. 2014 Jun;34(3):318-26. FI: 3.761 Q1.
 - **Calvo A, Moreno M, Ruiz-Sancho A, Rapado-Castro M, Moreno C, Sánchez-Gutiérrez T, Arango C, Mayoral M.** *Intervention for Adolescents With Early-Onset Psychosis and Their Families: A Randomized Controlled Trial* J Am Acad Child Adolesc Psychiatry. 2014 Jun;53(6):688-96 FI: 6.354 Q1.
 - **Díez-Fernández C, Hu L, Cervera J, Häberle J, Rubio V.** *Understanding carbamoyl phosphate synthetase (CPS1) deficiency by using the recombinantly purified human enzyme: Effects of CPS1 mutations that concentrate in a central domain of unknown function.* Mol Genet Metab. 2014 Jun;112(2):123-32 FI: 2.827 Q2.
 - **Núñez C, Cénit MC, Alvarez-Lafuente R, Río J, Fernández-Arquero M, Arroyo R, Montalbán X, Fernández O, Oliver-Martos B, Leyva L, Comabella M, Urcelay E.** *HLA alleles as biomarkers of high-titre neutralising antibodies to interferon-beta therapy in multiple sclerosis.* J Med Genet. 2014 Jun;51(6):395-400 FI: 5.636 Q1.
 - **Ibarra P, Alemany S, Fatjó-Vilas M, Córdova-Palomera A, Goldberg X, Arias B, González-Ortega I, González-Pinto A, Nenadic I, Fañanás L.** *The BDNF-Val66Met polymorphism modulates parental rearing effects on adult psychiatric symptoms: A community twin-based study.* Eur Psychiatry. 2014 Jun;29(5):293-300 FI: 3.210 Q1.
 - **Oliver-De La Cruz J, Carrión-Navarro J, García-Romero N, Gutiérrez-Martín A, Lázaro-Ibáñez E, Escobedo-Lucea C, Perona R, Belda-Iniesta C, Ayuso-Sacido A.** *SOX2(+) Cell Population from Normal Human Brain White Matter Is Able to Generate Mature Oligodendrocytes* PLoS One. 2014 Jun 5;9(6):e99253. doi: 10.1371/journal.pone.0099253. FI: 3.534 Q1.
 - **Horga G, Schatz KC, Abi-Dargham A, Peterson BS.** *Deficits in Predictive Coding Underlie Hallucinations in Schizophrenia* J Neurosci. 2014 Jun 11;34(24):8072-82 FI: 6.747 Q1.
 - **Díaz-Caneja CM, Espliego A, Parellada M, Arango C, Moreno C.** *Polypharmacy with antidepressants in children and adolescents* Int J Neuropsychopharmacol. 2014 Jul;17(7):1063-82 FI: 5.264 Q1.
 - **Toma C, Torrico B, Hervás A, Valdés-Mas R, Tristán-Noguero A, Padillo V, Maristany M, Salgado M, Arenas C, Puente XS, Bayés M, Cormand B.** *Exome sequencing in multiplex autism families suggests a major role for heterozygous truncating mutations* Mol Psychiatry. 2014 Jul;19(7):784-90 FI: 15.147 Q1.
 - **Sahún I, Marechal D, Pereira PL, Nalessio V, Gruart A, Garcia JM, Antonarakis SE, Dierssen M, Herault Y.** *Cognition and Hippocampal Plasticity in the Mouse Is Altered by Monosomy of a Genomic Region Implicated in Down Syndrome Genetics.* 2014 Jul;197(3):899-912 FI: 5.963 Q1.
 - **Koch G, Porcacchia P, Ponzo V, Carrillo F, Cáceres-Redondo MT, Brusa L, Desiato MT, Arciprete F, Di Lorenzo F, Pisani A, Caltagirone C, Palomar FJ, Mir P.** *Effects of Two Weeks of Cerebellar Theta Burst Stimulation in*

- Cervical Dystonia Patients Brain Stimul.* 2014 Jul-Aug;7(4):564-72 FI: 5.432 Q1.
- **Gómez-Garre P, Huertas-Fernández I, Cáceres-Redondo MT, Alonso-Canovas A, Bernal-Bernal I, Blanco-Ollero A, Bonilla-Toribio M, Burguera JA, Carballo M, Carrillo F, Catalán-Alonso MJ, Escamilla-Sevilla F, Espinosa-Rosso R, Fernández-Moreno MC, García-Caldentey J, García-Moreno JM, García-Ruiz PJ, Giacometti-Silveira S, Gutiérrez-García J, Jesús S, López-Valdés E, Martínez-Castrillo JC, Martínez-Torres I, Medialdea-Natera MP, Méndez-Lucena C, Minguez-Castellanos A, Moya M, Ochoa-Sepulveda JJ, Ojea T, Rodríguez N, Sillero-Sánchez M, Vargas-González L, Mir P.** *BDNF Val66Met Polymorphism in Primary Adult-Onset Dystonia: A Case-Control Study and Meta-analysis* Mov Disord. 2014 Jul;29(8):1083-6 FI: 5.634 Q1.
 - **Moreno M, Negrotto L, Río J, Moubarak R, Martín I, Bustamante MF, Comella JX, Vidal-Jordana A, Pérez-Boza J, Montalban X, Comabella M.** *Activation-induced cell death in T lymphocytes from multiple sclerosis patients.* J Neuroimmunol. 2014 Jul 15;272(1-2):51-5 FI: 2.786 Q3.
 - **Hervás A, Toma C, Romarís P, Ribasés M, Salgado M, Bayes M, Balmaña N, Cormand B, Maristany M, Guijarro S, Arranz MJ.** *The involvement of serotonin polymorphisms in autistic spectrum symptomatology* Psychiatr Genet. 2014 Aug;24(4):158-63 FI: 2.274 Q3.
 - **Puig O, Penadés R, Baeza I, De la Serna E, Sánchez-Gistau V, Bernardo M, Castro-Fornieles J.** *Cognitive Remediation Therapy in Adolescents With Early-Onset Schizophrenia: A Randomized Controlled Trial* J Am Acad Child Adolesc Psychiatry. 2014 Aug;53(8):859-68 FI: 6.354 Q1.
 - **Daley D, van der Oord S, Ferrin M, Danckaerts M, Doepfner M, Cortese S, Sonuga-Barke EJ; European ADHD Guidelines Group.** *Behavioral Interventions in Attention-Deficit/Hyperactivity Disorder: A Meta-Analysis of Randomized Controlled Trials Across Multiple Outcome Domains* J Am Acad Child Adolesc Psychiatry. 2014 Aug;53(8):835-47, 847 FI: 6.354 Q1.
 - **Soria FN, Pérez-Samartín A, Martin A, Gona KB, Llop J, Szczupak B, Chara JC, Matute C, Domercq M.** *Extrasynaptic glutamate release through cystine/glutamate antiporter contributes to ischemic damage* J Clin Invest. 2014 Aug 1;124(8):3645-55 FI: 13.765 Q1.
 - **Gamero-Villarroel C, Gordillo I, Carrillo JA, García-Herráiz A, Flores I, Jiménez M, Monge M, Rodríguez-López R, Gervasini G.** *BDNF genetic variability modulates psychopathological symptoms in patients with eating disorders* Eur Child Adolesc Psychiatry. 2014 Aug;23(8):669-79 FI: 3.554 Q1.
 - **Ferrin M, Moreno-Granados JM, Salcedo-Marin MD, Ruiz-Veguilla M, Perez-Ayala V, Taylor E.** *Evaluation of a psychoeducation programme for parents of children and adolescents with ADHD: immediate and long-term effects using a blind randomized controlled trial.* Eur Child Adolesc Psychiatry. 2014 Aug;23(8):637-47 FI: 3.554 Q1.
 - **Díaz-Caneja CM, Moreno C, Llorente C, Espliego A, Arango C, Moreno D.** *Practitioner Review: Long-term pharmacological treatment of pediatric bipolar disorder.* J Child Psychol Psychiatry. 2014 Sep;55(9):959-80. FI: 5.669 Q1.
 - **Fraguas D, Merchán-Naranjo J, del Rey-Mejías Á, Castro-Fornieles J, González-Pinto A, Rapado-Castro M, Pina-Camacho L, Díaz-Caneja CM, Graell M, Otero S, Baeza I, Moreno C, Martínez-Cengotitabengoa M,**

- Rodríguez-Toscano E, Arango C, Parellada M.** A longitudinal study on the relationship between duration of untreated psychosis and executive function in early-onset first-episode psychosis. *Schizophr Res.* 2014 Sep;158(1-3):126-33 FI: 4.426 Q1.
- **Janssen J, Alemán-Gómez Y, Schnack H, Balaban E, Pina-Camacho L, Alfaro-Almagro F, Castro-Fornieles J, Otero S, Baeza I, Moreno D, Bargalló N, Parellada M, Arango C, Desco M.** Cortical morphology of adolescents with bipolar disorder and with schizophrenia *Schizophr Res.* 2014 Sep;158(1-3):91-9 FI: 4.426 Q1.
 - **García-Cabezas MÁ, Barbas H.** A direct anterior cingulate pathway to the primate primary olfactory cortex may control attention to olfaction *Brain Struct Funct.* 2014 Sep;219(5):1735-54. FI: 4.567 Q1.
 - **Moreno A, Duñó L, Hoekzema E, Picado M, Martín LM, Fauquet J, Vives-Gilabert Y, Bulbena A, Vilarroya O.** Striatal volume deficits in children with ADHD who present a poor response to methylphenidate *Eur Child Adolesc Psychiatry.* 2014 Sep;23(9):805-12. FI: 3.554 Q1.
 - **Porcacchia P, Palomar FJ, Cáceres-Redondo MT, Huertas-Fernández I, Martín-Rodríguez JF, Carrillo F, Koch G, Mir P.** Parieto-motor Cortical Dysfunction in Primary Cervical Dystonia *Brain Stimul.* 2014 Sep-Oct;7(5):650-7. FI: 5.432 Q1.
 - **Baeza I, de la Serna E, Calvo-Escalona R, Morer A, Merchán-Naranjo J, Tapia C, Martínez-Cantarero MC, Andrés P, Alda JA, Sánchez B, Arango C, Castro-Fornieles J.** Antipsychotic Use in Children and Adolescents A 1-Year Follow-Up Study *J Clin Psychopharmacol.* 2014 Oct;34(5):613-9 FI: 3.761 Q1.
 - **Alvarez-Segura M, García-Esteve L, Torres A, Plaza A, Imaz ML, Hermida-Barros L, San L, Burtchen N.** Are women with a history of abuse more vulnerable to perinatal depressive symptoms? A systematic review *Arch Womens Ment Health.* 2014 Oct;17(5):343-57 FI: 1.955 Q3.
 - **Gassó P, Rodríguez N, Mas S, Pagerols M, Blázquez A, Plana MT, Torra M, Lázaro L, Lafuente A.** Effect of CYP2D6, CYP2C9 and ABCB1 genotypes on fluoxetine plasma concentrations and clinical improvement in children and adolescent patients *Pharmacogenomics J.* 2014 Oct;14(5):457-62. FI: 5.513 Q1.
 - **Guirado R, Perez-Rando M, Sanchez-Matarredona D, Castrén E, Nacher J.** Chronic fluoxetine treatment alters the structure, connectivity and plasticity of cortical interneurons. *Int J Neuropsychopharmacol.* 2014 Oct;17(10):1635-46. FI: 4.009 Q1.
 - **Benítez-Rivero S, Lama MJ, Huertas-Fernández I, Alvarez de Toledo P, Cáceres-Redondo MT, Martín-Rodríguez JF, Carrillo F, Carballo M, Palomar FJ, Mir P.** Clinical features and neuropsychological profile in vascular parkinsonism *J Neurol Sci.* 2014 Oct 15;345(1-2):193-7. FI: 2.262 Q3.
 - **Arango C, Giráldez M, Merchán-Naranjo J, Baeza I, Castro-Fornieles J, Alda JA, Martínez-Cantarero C, Moreno C, de Andrés P, Cuerda C, de la Serna E, Correll CU, Fraguas D, Parellada M.** Second-Generation Antipsychotic Use in Children and Adolescents: A Six-Month Prospective Cohort Study in Drug-Naïve Patients *J Am Acad Child Adolesc Psychiatry.* 2014 Nov;53(11):1179-90,1190.e1-4. FI: 7.260 Q1.
 - **Guirado R, Perez-Rando M, Sanchez-Matarredona D, Castillo-Gómez E, Liberia T, Rovira-Esteban L, Varea E, Crespo C, Blasco-Ibáñez JM, Nacher J.** The Dendritic Spines of Interneurons Are Dynamic Structures

Influenced by PSA-NCAM Expression. Cereb Cortex. 2014 Nov; 24(11):3014-24. FI: 8.665 Q1.

- **Ferrin M, Vance A.** *Differential effects of anxiety and depressive symptoms on working memory components in children and adolescents with ADHD combined type and ADHD inattentive type.* Eur Child Adolesc Psychiatry. 2014 Dec; 23(12):1161-73. FI: 3.336 Q2.
- **Kebir O, Chaumette B, Fatjó-Vilas M, Ambalavanan A, Ramoz N, Xiong L, Mouaffak F, Millet B, Jaafari N, DeLisi LE, Levinson D, Joober R, Fañanás L, Rouleau G, Dubertret C, Krebs MO.** *Family-based association study of common variants, raremutation study and epistatic interaction detection in HDAC genes in schizophrenia* Schizophr Res. 2014 Dec;160(1-3):97-103. FI: 3.923 Q1.
- **Hu L, Diez-Fernandez C, Rüfenacht V, Hismi BÖ, Ünal Ö, Soyucen E, Çoker M, Bayraktar BT, Gunduz M, Kiykim E, Olgac A, Pérez-Tur J, Rubio V, Häberle J.** *Recurrence of carbamoyl phosphate synthetase 1 (CPS1) deficiency in Turkish patients: Characterization of a founder mutation by use of recombinant CPS1 from insect cells expression* Mol Genet Metab. 2014 Dec;113(4):267-73. FI: 2.625 Q2.
- **Marin-Bañasco C, Suardíaz García M, Hurtado Guerrero I, Maldonado Sánchez R, Estivill-Torrús G, Leyva Fernández L, Fernández Fernández O.** *Mesenchymal properties of SJL mice-stem cells and their efficacy as autologous therapy in a relapsing-remitting multiple sclerosis model* Stem Cell Res Ther. 2014 Dec 12;5(6):134 FI: 3.368 Q2.
- **Kapczinski F, Magalhães PV, Balanzá-Martinez V, Dias VV, Frangou S, Gama CS, Gonzalez-Pinto A, Grande I, Ha K, Kauer-Sant'Anna M, Kunz M, Kupka R, Leboyer M, Lopez-Jaramillo C, Post RM, Rybakowski JK, Scott J, Strejilevitch S, Tohen M, Vazquez G, Yatham L, Vieta E, Berk M.** *Staging systems in bipolar disorder: an International Society for Bipolar Disorders Task Force Report.* Acta Psychiatr Scand. 2014 Nov;130(5):354-63 FI: 5.605 Q1.
- **Häberle J, Rubio V.** *Hyperammonemias and Related Disorders Physician's Guide to the Diagnosis, Treatment and Follow-up of Inherited Metabolic Diseases.* 2014; (4):47-62.
- **Sanjurjo Crespo P, Rubio V.** *Diagnóstico y tratamiento de las enfermedades del ciclo de la urea Diagnóstico y tratamiento de las Enfermedades Metabólicas Hereditarias.* 2014 (50):713-728.
- **García-Bueno B, Bioque M, Mac-Dowell KS, Barcones MF, Martínez-Cengotitabengoa M, Pina Camacho L, Rodriguez-Jiménez R, Sáiz PA, Castro C, Lafuente A, Santabarbara J, González-Pinto A, Parellada M, Rubio G, García-Portilla MP, Micó JA, Bernardo M, Leza JC.** *Pro-/Anti-inflammatory Dysregulation in Patients with First Episode of Psychosis: Toward an Integrative Inflammatory Hypothesis of Schizophrenia.* Schizophrenia Bulletin. 2014;40(2):376-387 FI: 8.607 Q1.