

LISTA DE LUCRĂRI

Lista de lucrări relevante

1. **A. Mincic**, „*Neural substrate of cognitive and emotional interference processing in healthy adolescents*”, Acta Neurobiologiae Experimentalis, 70, 406-422, 2010.
2. F. Rémy, U. Frankenstein, **A. Mincic**, B. Tomanek, W. Stroman, „*Pain Modulates Cerebral Activity during Cognitive Performance*”, NeuroImage, 655-664 pp., 2003.
3. U. Blankstein, J. Chen, **A. Mincic**, P. McGrath, K. Davis, „*The complex mind of teenagers: neuroanatomy of personality differs between sexes*”, Neuropsychologia, 47, 599-603 pp., 2009.
4. **A. Mincic**, „*Influence of local environment on Co magnetic behavior in $Y_2(Co,M)-B_3$ compounds, where $M=Cu$ or V* ”, Journal of Alloys and Compounds, 393, 57-60 pp., 2005.
5. **A. Mincic**, „*The influence of Silicon on the exchange interactions in $Gd_xCe_{1-x}Co_4Si$ compounds*”, Journal of Physics: Condensed Matter, 16, No.10, 1837-1847 pp., 2004.
6. **A. Mincic**, V. Pop, „*Magnetic Characteristics and band structure of $Y_2Co_{7-x}Ni_xB_3$ compounds*”, Physica Status Solidi, 237, No. 2, 540-548 pp., 2003.
7. E. Burzo, **A. Mincic**, „*Magnetic Properties and Electronic Structure of the $Gd_xCe_{1-x}Co_4B$ compounds*”, Journal of Magnetism and Magnetic Materials, 242 Part 2, 809-812 pp., 2002.
8. R. Ballou, E. Burzo, **A. Mincic**, V. Pop, „*Magnetic properties of $(Gd_xY_{1-x})Co_2B_2$ compounds*”, J. Magn. Magn. Mater., 118, L 285 – L 289 pp., 1993.
9. R.C.N. D'Arcy, L. Ryner, B. Ryan, **A. Mincic**, B. Matwiy, J. Matwiy, and M. Porter, „*Innovative head restraint system minimizes head motion in fMRI*”, Proc. Intl. Soc. Magn. Reson. Med. 10, 1408, 2002.
10. B. Ryan, L. Ryner, R.C.N. D'Arcy, W. Richter, **A. Mincic**, and M. Porter, „*Isokinetic dynamometry in the MR environment*”, Proc. Intl. Soc. Magn. Reson. Med. 10, 1345, 2002.

1. Teza de doctorat

T1. „*Proprietăți magnetice ale unor compusi pe baza de pamanturi rare*”, Universitatea Babeș-Bolyai, Cluj-Napoca. Îndrumător - prof. univ. dr. Emil Burzo, 2000.

2. Publicatii

A. Cărți publicate, îndrumare/culegeri publicate

- A1. **Adina Mincic**, „*Biophysics Laboratory Manual*”, Editura Universității din Oradea, ISBN 978-606-10-0262-7, 110 pg, 2010.
- A2. **Adina Mincic**, L. Pop, M. Pop, „*Lucrări practice de Biofizica*”, Editura Universității din Oradea, ISBN 978-973-759-912-4, 142 pg., 2009.
- A3. **Adina Mincic**, „*Essentials of Medical Biophysics, Volume 1*”, Editura Universității din Oradea, ISBN 978-973-759-678-9, 120 pg., 2008.

B. Capitoare publicate în volume colective

3. Articole/studii publicate

A. In reviste de specialitate de circulație internațională recunoscute cotate ISI sau indexate în baze de date internaționale specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță

Factor de Impact cumulat: 19.551

- A1. **A. Mincic**, „*Neural substrate of cognitive and emotional interference processing in healthy adolescents*”, Acta Neurobiologiae Experimentalis, 70, 406-422, 2010.
- A2. U. Blankstein, J. Chen, **A. Mincic**, P. McGrath, K. Davis, „*The complex mind of teenagers: neuroanatomy of personality differs between sexes*”, Neuropsychologia, 47, 599-603 pp., 2009.
- A3. **A. Mincic**, „*Influence of local environment on Co magnetic behavior in $Y_2(Co,M)-B_3$ compounds, where $M=Cu$ or V* ”, Journal of Alloys and Compounds, 393, 57-60 pp., 2005.

- A4. A. Mincic, "The influence of Silicon on the exchange interactions in $Gd_xCe_{1-x}Co_4Si$ compounds", *Journal of Physics: Condensed Matter*, 16, No.10, 1837-1847 pp., 2004.
- A5. F. Rémy, U. Frankenstein, A. Mincic, B. Tomanek, W. Stroman, "Pain Modulates Cerebral Activity during Cognitive Performance", *NeuroImage*, 655-664 pp., 2003.
- A6. A. Mincic, V. Pop, "Magnetic Characteristics and band structure of $Y_2Co_{7-x}Ni_xB_3$ compounds", *Physica Status Solidi*, 237, No. 2, 540-548 pp., 2003.
- A7. E. Burzo, A. Mincic, "Magnetic Properties and Electronic Structure of the $Gd_xCe_{1-x}Co_4B$ compounds", *Journal of Magnetism and Magnetic Materials*, 242 Part 2, 809-812 pp., 2002.
- A8. E. Burzo, A. Mincic, J. Voiron, "Magnetic properties of $Gd_xCe_{1-x}Co_4M$, with $M=B$ or Si ", *Materials Science Forum*, vol. 373-376, 629-632 pp., 2001.
- A9. E. Burzo, A. Mincic, V. Pop, G. Borodi, "Magnetic Properties of $Gd_2Co_{7-x}Ni_xB_3$ compounds", *Balkan Physics Letters*, 5, 1179-1182 pp., 1997.
- A10. R. Ballou, E. Burzo, A. Mincic, V. Pop, "Magnetic properties of $(Gd_xY_{1-x})Co_2B_2$ compounds", *J. Magn. Magn. Mater.*, 118, L 285 – L 289 pp., 1993.

B. Indexate în baze de date internaționale recunoscute (BDI)

C. In alte reviste de specialitate de circulație internațională

D. In reviste din țară recunoscute C.N.C.S.I.S.

- D1. A. Mincic, U. N. Frankenstein, F. Rémy, "Interaction between pain and cognitive activity", *Analele Universității din Oradea, Fascicula Fizica*, vol. A, 139-147 pp., 2004.
- D2. A. Mincic, E. Burzo, "Spin fluctuations in $R_2(Co,Ni)_7B_3$ systems" *Analele Universității din Oradea, Fizică*, ISSN --Tom VIII, 159-164 pp., 1998.

E. In alte reviste de specialitate de circulație națională cu (ISBN, ISSN)

F. Citări ISI/BDI/Alte reviste (67 de citari in reviste ISI, 62 – exclus autocitările)

- F1. R. Ballou, E. Burzo, A. Mincic and V. Pop, "Magnetic properties of $(Gd_xY_{1-x})Co_2B_2$ compounds", *Journal of Magnetism and Magnetic Materials*, 118, L285–L289, 1993.
1. Kramp, S., Febri, M., Joubert, J.C., "A Low Temperature Route for the Synthesis of Rare Earth Transition Metal Borides and Their Hydrides", *Journal of Solid State Chemistry*, 133 (1), pp. 145-151, 1997.
2. NH Duc, "Intersublattice exchange coupling in the lanthanide transition intermetallics", in *Handbook on Physics and Chemistry of the Rare Earths*, vol. 24, 339 pp, Eds. Gschneider KA Jr. and Eyring L, Elsevier Science, 1997.
3. A. Mincic, "The influence of Silicon on the exchange interactions in $Gd_xCe_{1-x}Co_4Si$ compounds", *Journal of Physics: Condensed Matter*, 16, No.10, 1837-1847 pp, 2004.
- F2. Burzo, E, Mincic, A., "Magnetic properties and electronic structures of $Gd_xCe_{1-x}Co_4B$ compounds", *Journal of Magnetism and Magnetic Materials*, 242, 809-812 pp., 2002.
1. O. Nane, B. Özçelik, S. Kervan, U. Topal "Magnetic Properties of $Sm_{1-x}Tb_xNi_4B$ compounds", *Journal of Superconductivity and Novel Magnetism*, 2012, Volume 25, Issue 4, pp 1065-1070
2. Burzo, E., Chioncel, L., Tetea, R., Isnard, O., "On the R 5d band polarization in rare-earth-transition metal compounds", 2011, *Journal of Physics Condensed Matter*, 23 (2), art. no. 026001.
3. Ito T, Ido H., "Electronic structures and magnetic properties of the compounds $Cen+1Co_{3n+5}B_{2n}$ ($n=0, 1, 2, \text{ and } \infty$)", *Journal of Applied Physics* 105 (7), art. no. 07E511, 2009.
4. Özçelik, B., Nane, O., Kervan, S., "Physical and magnetic properties of $Nd_{1-x}Gd_xNi_4B$ compounds", 2011, *Journal of Superconductivity and Novel Magnetism*, 24 (1-2), pp. 763-768.
5. Kervan N, Kervan S, Gencer A, "Effects of the substitution of gadolinium for neodymium on the crystal and magnetic properties of the $Nd_{1-x}Gd_xCo_4B$ compounds" *Journal of Physics and Chemistry of Solids*, 69, 2791-2795 pp., 2008.
6. Gencer H, Kervan N, Gencer A, et al., "Magnetocaloric effect in $CeCo_4B$ compound", *Journal of Alloys and Compounds*, 466, 1-4, 2008.
7. Kervan N, Kervan S, Gencer A, "Magnetic properties of the $Pr_{1-x}Gd_xCo_4B$ compounds", *Journal of Magnetism and Magnetic Materials*, 320, 2839-2843 pp, 2008.
8. Tetea, R., Andreica, D., Deac, I.G., Burzo, E., Chioncel, L., Amato, A." μ SR investigation of $CeCo_4B$ ", *Physica B: Condensed Matter*, 374-375, pp. 188-191, 2006.

9. Burzo, E., Vlaic, P., "Exchange interactions in R_2M_{17} ($M=Fe, Co, Ni$) heavy rare-earth compounds", Journal of Magnetism and Magnetic Materials, 290-291 PART 1, pp. 599-601, 2005.
 10. Mincic, A., "The effect of silicon on the exchange interactions in $GdxCe_{1-x}Co_4Si$ compounds", Journal of Physics Condensed Matter, 16 (10), pp. 1837-1847, 2004.
 11. Burzo, E., "Rare-earth based materials: Electronic structures and magnetic properties", Molecular Crystals and Liquid Crystals, 417, pp. 7/[491]-28/[512], 2004.
 12. Arnold, Z., Kamarád, J., Skorokhod, Y., Hong, N.M., Thuy, N.P., Thang, C.V., "Pressure induced changes of magnetic phase transitions in RCo_4B compounds", Journal of Magnetism and Magnetic Materials, 262 (3), pp. 382-388, 2003.
- F3. R.C.N. D'Arcy, L. Ryner, B. Ryan, A. Mincic, B. Matwiy, J. Matwiy, and M. Porter, "Innovative head restraint system minimizes head motion in fMRI", Proc. Intl. Soc. Magn. Reson. Med. 10 (2002) 1408.
1. Wilson J., Jezzard P., "Utilization of intra-oral diamagnetic passive shim in functional MRI of the inferior frontal cortex", Magnetic Resonance in Medicine, 50, 1089-1094, 2003.
- F4. A. Mincic, V. Pop, "Magnetic Characteristics and band structure of $Y_2Co_{7-x}Ni_xB_3$ compounds", Physica Status Solidi, 237, No. 2, 540-548 pp, 2003.
1. Jin-Chun Li, Ping Qian, Zhen-Feng Zhang, Ying Liu, Xiao-Jian Yuan, Jiang Shen, Nan-Xian Chen, "Theoretical study of structure and lattice vibrations of $R_3Co_{11-x}Fe_xB_4$ ($R=Nd, Gd$)", Computer Physics Communications, 184, 2, February 2013, Pages 342-347.
 2. Isnard, O., Chacon Carillo, C., "Relation between crystal structure and physical properties of $Rn+1M_5+3nB_{2n}$ phases", Journal of Alloys and Compounds, 442, 22-28 pp, 2007.
 3. Qian, P., Wang, Q.-L., Chen, N.-X., Shen, J., "Atomistic simulation for structural and vibrational properties of $R_2Co_{7-x}M_xB_3$ ($R \leq Y, Gd; M \leq Ti, V, Cr$)", Journal of Physics D: Applied Physics, 39 (6), art. no. 028, pp. 1197-1203, 2006.
 4. Notsu, S., Shimoji, Y., Hedo, M., Uwatoko, Y., Nakama, T., Ido, H., Yagasaki, K., "Transport properties of $Ce_2Co_7B_3$ in magnetic field", Journal of the Physical Society of Japan, 75 (4), 0447141-0447147 pp, 2006.
 5. Mincic, A., "The effect of silicon on the exchange interactions in $GdxCe_{1-x}Co_4Si$ compounds", Journal of Physics Condensed Matter, 16 (10), pp. 1837-1847, 2004.
- F5. F. Rémy, U. Frankenstein, A. Mincic, B. Tomanek, W. Stroman, "Pain Modulates Cerebral Activity during Cognitive Performance", *NeuroImage*, 19, 655-664 pp, 2003.
1. Roa Romero, Y., Straube, T., Nitsch, A., Miltner, W.H.R., Weiss, T., "Interaction between stimulus intensity and perceptual load in the attentional control of pain", 2013, Pain, 154 (1), 135-140.
 2. Shackman AJ, Salomons TV, Slagter HA, Fox AS, Winter JJ, Davidson RJ, "The integration of negative affect, pain and cognitive control in the cingulate cortex", Nat Rev Neurosci. 2011 Mar;12(3):154-67.
 3. J. H. G. Blom, C. H. Wiering, R. H. J. Van der Lubbe, "Distraction Reduces Both Early and Late Electrocutaneous Stimulus Evoked Potentials", *Journal of Psychophysiology*, Vol. 26, No. 4, 2012, 168-177.
 4. Kennedy PJ, Clarke G, Quigley EM, Groeger JA, Dinan TG, Cryan JF. Gut memories: towards a cognitive neurobiology of irritable bowel syndrome. *Neurosci Biobehav Rev*. 2012;36(1):310-40.
 5. Legrain V, Crombez G, Verhoeven K, Mouraux A, "The role of working memory in the attentional control of pain", Pain, 2011;152(2):453-9.
 6. Duerden EG, Albanese MC. Localization of pain-related brain activation: A meta-analysis of neuroimaging data. *Hum Brain Mapp*. 2011 Dec 1. doi:10.1002/hbm.21416.
 7. Huang, C.-M., Lee, S.-H., Hsiao, I.-T., "Study-specific EPI template improves group analysis in functional MRI of young and older adults, (2010), Journal of Neuroscience Methods, 189(2), 257-266.
 8. Buhle J, Wager TD., "Performance-dependent inhibition of pain by an executive working memory task". (2010) Pain. 149, pp 19-26.
 9. Laird, B.J.A., Boyd, A.C., Colvin, L.A., Fallon, M.T., "Are cancer pain and depression interdependent? A systematic review". (2009) *Psycho-Oncology*, 18 (5), pp. 459-464.
 10. Jee Youn Moon, Yong Chul Kim, Mi Jung Park, Pyung Bok Lee, Sang Chul Lee, Do Hyung Kang, Min Sup Shin, Tae Myung Kwon, "Cognitive Assessment in Complex Regional Pain Syndrome Patients", *Korean J Pain*. (2009), 22, pp 28-32
 11. Boyle, Y., El-Deredy, W., Martinez Montes, E., Bentley, D.E., Jones, A.K.P. Selective modulation of nociceptive processing due to noise distraction (2008) *Pain*, 138 (3), pp. 630-640.
 12. deBry, S.C., Tiffany, S.T. Tobacco-induced neurotoxicity of adolescent cognitive development (TINACD): A proposed model for the development of impulsivity in nicotine dependence (2008) *Nicotine and Tobacco Research*, 10 (1), pp. 11-25.
 13. Seminowicz, D.A., Davis, K.D. A re-examination of pain-cognition interactions: Implications for neuroimaging (2007) *Pain*, 130 (1-2), pp. 8-13.

14. Seminowicz, D.A., Davis, K.D. Interactions of pain intensity and cognitive load: The brain stays on task(2007) *Cerebral Cortex*, 17 (6), pp. 1412-1422.
 15. Mystakidou, K., Tsilika, E., Parpa, E., Pathiaki, M., Patiraki, E., Galanos, A., Vlahos, L. Exploring the Relationships Between Depression, Hopelessness, Cognitive Status, Pain, and Spirituality in Patients With Advanced Cancer(2007) *Archives of Psychiatric Nursing*, 21 (3), pp. 150-161.
 16. Seminowicz, D.A., Davis, K.D. Pain enhances functional connectivity of a brain network evoked by performance of a cognitive task(2007) *Journal of Neurophysiology*, 97 (5), pp. 3651-3659.
 17. Pickering, G., Margot-Duclo, A. The triptych of pain, emotion and cognition [Le triptyque de la douleur, de la cognition et de l'émotion] (2006) *Douleur et Analgesie*, 19 (4), pp. 81-86.
 18. Karp, J.F., Reynolds III, C.F., Butters, M.A., Dew, M.A., Mazumdar, S., Begley, A.E., Lenze, E., Weiner, D.K., "The relationship between pain and mental flexibility in older adult pain clinic patients", (2006) *Pain Medicine*, 7 (5), pp. 444-452.
 19. Zhang, M., Wang, Y., Liu, H., Zhang, S.-Z., Yu, B.-L., "Anterior cingulate cortex involving in pain modulation - An functional magnetic resonance imaging study", (2006) *National Medical Journal of China*, 86 (30), pp. 2127-2130.
 20. Boyle, Y., Bentley, D.E., Watson, A., Jones, A.K.P. Acoustic noise in functional magnetic resonance imaging reduces pain unpleasantness ratings(2006) *NeuroImage*, 31 (3), pp. 1278-1283.
 21. Hadjipavlou, G., Dunckley, P., Behrens, T.E., Tracey, I., "Determining anatomical connectivities between cortical and brainstem pain processing regions in humans: A diffusion tensor imaging study in healthy controls", (2006) *Pain*, 123 (1-2), pp. 169-178.
 22. Enck, P., Klosterhalfen, S., "Placebo response in functional bowel disorders [Die plazeboantwort bei funktionellen magen-darm-störungen]", (2006) *Zeitschrift für Gastroenterologie*, 44 (3), pp. 257-266.
 23. London, E.D., Berman, S.M., Voytek, B., Simon, S.L., Mandelkern, M.A., Monterosso, J., Thompson, P.M., Brody, A.L., Geaga, J.A., Hong, M.S., Hayashi, K.M., Rawson, R.A., Ling, W., "Cerebral metabolic dysfunction and impaired vigilance in recently abstinent methamphetamine abusers" (2005) *Biological Psychiatry*, 58 (10), pp. 770-778.
 24. Wiech, K., Seymour, B., Kalisch, R., Stephan, K.E., Koltzenburg, M., Driver, J., Dolan, R.J., "Modulation of pain processing in hyperalgesia by cognitive demand", (2005) *NeuroImage*, 27 (1), pp. 59-69.
 25. Mick, G., Labeye, C., "Chronic pain and cognitive changes, a little-known association [Douleur chronique et altération cognitive, une association méconnue]" (2005) *Presse Medicale*, 34 (10), pp. 738-744.
 26. Farrell, M.J., Laird, A.R., Egan, G.F., "Brain activity associated with painfully hot stimuli applied to the upper limb: A meta-analysis" (2005) *Human Brain Mapping*, 25 (1), pp. 129-139.
 27. Wager, T.D., "The neural bases of placebo effects in anticipation and pain(2005) *Seminars in Pain Medicine*", 3 (1 SPEC. ISS.), pp. 22-30.
 28. Porro, C.A., Lui, F., Facchin, P., Maieron, M., Baraldi, P., "Percept-related activity in the human somatosensory system: Functional magnetic resonance imaging studies", (2004) *Magnetic Resonance Imaging*, 22 (10 SPEC. ISS.), pp. 1539-1548.
- F6.** A. Mincic, "The influence of Silicon on the exchange interactions in $Gd_xCe_{1-x}Co_4Si$ compounds", *Journal of Physics: Condensed Matter*, 16, No.10, 1837-1847 pp, 2004.
1. Burzo E, Vlaic P, Creanga I, "Magnetic properties of RCo_5 -based systems", *Journal of Alloys and Compounds* 509, Issue 33, 18, 2011, Pages 8289–8294
 2. Kervan N, Kervan S, Gencer A, "Magnetic properties of the $Pr_{1-x}Gd_xCo_4B$ compounds", *Journal of Magnetism and Magnetic Materials*, 320, 2839-2843 pp, 2008
 3. N Kervan, S Kervan, H Sözeri, "Magnetic properties of the $Nd_{1-x}Gd_xCo_4Si$ compounds", *Materials Chemistry and Physics*, 120, Issues 2-3, pp 505-508, 2010.
 4. Kervan N, Kervan S, Sözeri, "Gd Substitution Effects on the Magnetic Properties of the $Pr_{1-x}Gd_xCo_4Si$ Compounds", *Journal of Superconductivity and Novel Magnetism*, 2013, Vol. 26, Issue 3, 703-707.
- F7.** Mincic, A., "Influence of local environment on Co magnetic behavior in $Y_2(Co,M)7B_3$ compounds, where $M = Cu$ or V ", *Journal of Alloys and Compounds*, 393 (1-2), pp. 57-60, 2005.
1. Qian, P., Wang, Q.-L., Chen, N.-X., Shen, J., "Atomistic simulation for structural and vibrational properties of $R_2Co_7-xMxB_3$ ($R \leq Y, Gd$; $M \leq Ti, V, Cr$)", *Journal of Physics D: Applied Physics*, 39 (6), art. no. 028, pp. 1197-1203, 2006.
- F8.** Blankstein U, Chen JY, Mincic AM, McGrath PA, Davis KD., "The complex minds of teenagers: neuroanatomy of personality differs between sexes" *Neuropsychologia*, 2009, 47, pp 599-603.
1. Takeuchi, H., Taki, Y., Nouchi, R., Hashizume, H., Sekiguchi, A., Kotozaki, Y., Nakagawa, S., Miyauchi, C.M., Sassa, Y., Kawashima, R., "Anatomical correlates of self-handicapping tendency", 2013, *Cortex*, 49 (4), pp. 1148-1154.
 2. Schaefer M, Knuth M, Rumpel F., "Striatal response to favorite brands as a function of neuroticism and extraversion". *Brain Res*. 2011 Nov 24;1425:83-9.

3. Servaas MN, van der Velde J, Costafreda SG, Horton P, Ormel J, Riese H, Aleman A., "Neuroticism and the brain: A quantitative meta-analysis of neuroimaging studies investigating emotion processing", *Neurosci Biobehav Rev.* 2013 May 15. doi:pii: S0149-7634(13)00125-5. 10.1016/j.neubiorev.2013.05.005.
 4. Montag C, Reuter M, Jurkiewicz M, Markett S, Panksepp J., "Imaging the structure of the human anxious brain: a review of findings from neuroscientific personality psychology.", *Rev Neurosci.* 2013;24(2):167-90.
 5. McRae K, Gross JJ, Weber J, Robertson ER, Sokol-Hessner P, Ray RD, Gabrieli JD, Ochsner KN, "The development of emotion regulation: an fMRI study of cognitive reappraisal in children, adolescents and young adults", *Soc Cogn Affect Neurosci.* 2012 Jan; 7(1):11-22.
 6. Erpelding N, Moayed M, Davis KD, "Cortical thickness correlates of pain and temperature sensitivity", *Pain.* 2012 Aug;153(8):1602-9.
 7. Ormel J, Bastiaansen JA, Riese H, Bos EH, Servaas M, Ellenbogen M, Rosmalen JG, Aleman A., "The biological and psychological basis of neuroticism: Current status and future directions", *Neurosci Biobehav Rev.* 2012 Oct 12. doi:pii: S0149-7634(12)00151-0. 10.1016/j.neubiorev.2012.09.004.
 8. Bjørnebekk A, Fjell AM, Walhovd KB, Grydeland H, Torgersen S, Westlye LT, "Neuronal correlates of the five factor model (FFM) of human personality: Multimodal imaging in a large healthy sample", *Neuroimage.* 2012 Oct 12. doi:pii: S1053-8119(12)01000-2. 10.1016/j.neuroimage.2012.10.009.
 9. Schaefer M, Heinze HJ, Rotte M, "Touch and personality: extraversion predicts somatosensory brain response", *Neuroimage.* 2012 Aug 1;62(1):432-8.
 10. Kapogiannis D, Sutin A, Davatzikos C, Costa P Jr, Resnick S., "The five factors of personality and regional cortical variability in the baltimore longitudinal study of aging", *Hum Brain Mapp.* 2012 May 19. doi: 10.1002/hbm.22108.
 11. Wei L, Duan X, Zheng C, Wang S, Gao Q, Zhang Z, Lu G, Chen H, "Specific frequency bands of amplitude low-frequency oscillation encodes personality", *Hum Brain Mapp.* 2012 Sep 15. doi: 10.1002/hbm.22176.
 12. Taki Y, Thyreau B, Kinomura S, Sato K, Goto R, Wu K, Kawashima R, Fukuda H, "A longitudinal study of the relationship between personality traits and the annual rate of volume changes in regional gray matter in healthy adults", *Hum Brain Mapp.* 2012 Jul 17. doi: 10.1002/hbm.22145.
 13. Fuentes P, Barrós-Loscertales A, Bustamante JC, Rosell P, Costumero V, Ávila C, "Individual differences in the Behavioral Inhibition System are associated with orbitofrontal cortex and precuneus gray matter volume", *Cogn Affect Behav Neurosci.* 2012 Sep;12(3):491-8.
 14. Cremers H, van Tol MJ, Roelofs K, Aleman A, Zitman FG, van Buchem MA, Veltman DJ, van der Wee NJ, "Extraversion is linked to volume of the orbitofrontal cortex and amygdale", *PLoS One.* 2011;6(12):e28421.
 15. Hu X, Erb M, Ackermann H, Martin JA, Grodd W, Reiterer SM, "Voxel-based morphometry studies of personality: issue of statistical model specification--effect of nuisance covariates. *Neuroimage.* 2011, 54(3):1994-2005.
 16. Ryman SG, Gasparovic C, Bedrick EJ, Flores RA, Marshall AN, Jung RE, "Brain biochemistry and personality: a magnetic resonance spectroscopy study", *PLoS One.* 2011;6(11):e26758.
 17. Chou KH, Cheng Y, Chen IY, Lin CP, Chu WC, "Sex-linked white matter microstructure of the social and analytic brain", *Neuroimage.* 2011; 54(1):725-33.
 18. Schürmüller W, Schienle A, "Voxel-based morphometry of disgust proneness", *Neurosci Lett.* 2012 Nov 7;529(2):172-4.
 19. Blatchley BJ, Hopkins WD, "Subgenual cingulate cortex and personality in chimpanzees (*Pan troglodytes*)", *Cogn Affect Behav Neurosci.* 2010 Sep;10(3):414-21.
 20. Hutton C, Draganski B, Ashburner J, Weiskopf N., "A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging", *Neuroimage* 2009, 48, 371-80 pp.
 21. Koukolik, F., "Neuronal basis of personality and intelligence", 2009, *Prakticky Lekar* 89, 188-193 pp.
- F9. Mincic AM, "Neural substrate of the cognitive and emotional interference processing in healthy adolescents", *Acta Neurobiol Exp.* 2010; 70(4):406-22.
1. Sinopoli KJ, Dennis M., "Inhibitory control after traumatic brain injury in children", *Int J Dev Neurosci.* 2012 ;30(3):207-15.
 2. Mitchell RL., "Further characterisation of the functional neuroanatomy associated with prosodic emotion decoding", *Cortex.* 2012 Sep 5. doi:pii: S0010-9452(12)00251-1. 10.1016/j.cortex.2012.07.010.
 3. Veroude K, Jolles J, Croiset G, Krabbendam L., "Changes in neural mechanisms of cognitive control during the transition from late adolescence to young adulthood", *Dev Cogn Neurosci.* 2013 Jan 11;5C:63-70.
 4. Adamaszek M, Olbrich S, Kirkby KC, Woldag H, Willert C, Heinrich A., "Event-related potentials indicating impaired emotional attention in cerebellar stroke-A case study", *Neurosci Lett.* 2013 May 2. doi:pii: S0304-3940(13)00367-4. 10.1016/j.neulet.2013.04.018.
 5. Dresler T, Hindi Attar C, Spitzer C, Löwe B, Deckert J, Büchel C, Ehli AC, Fallgatter AJ, "Neural correlates of the emotional Stroop task in panic disorder patients: An event-related fMRI study", *J Psychiatr Res.* 2012 Dec;46(12):1627-34.

6. Henckens MJ, van Wingen GA, Joëls M, Fernández G. „Time-dependent effects of cortisol on selective attention and emotional interference: a functional MRI study”, *Front Integr Neurosci*. 2012;6:66, Epub 2012 Aug 28.
7. Froeliger B, Modlin L, Wang L, Kozink RV, McClernon FJ, „Nicotine withdrawal modulates frontal brain function during an affective Stroop task”, *Psychopharmacology (Berl)*. 2012 Apr;220(4):707-18

4. Articole/studii publicate

A. In volumele unor manifestări științifice: (se precizeaza daca este cazul -cotate ISI sau indexate în baze de date internationale-BDI)

- A1. Lachaux, JP., Jerbi, K., Pichat, C., Perrone-Bertolotti, M., **Mincic, A.**, Ossandon, P., Kahane, P., Baci, M. (2012). High-Frequency ([50 Hz - 150 Hz]) Amplitude Correlations in human intracranial EEG reveal functional connectivity within the Default-Mode Network. *Third Biennial Conference on Resting State Brain Connectivity*, 5-7 September 2012, Magdeburg, Germany.
- A2. **A. Mincic**, „Neural correlates of the practice effects in tasks involving higher cognitive functions” 16th Annual Meeting of the Organization for Human Brain Mapping, Conference Abstract book, pp 162, 2010.
- A3. **A. Mincic**, „Imaging the neural substrate of the cognitive control in emotional and non-emotional contexts in adolescence”, 5th Symposium of the National Neuroscience Society of Romania, „Technology driven neuroscience”, International Brain Research Organization Sponsored Session, Conference Abstract Book, 25 pp, 2009.
- A4. **A. M. Mincic**, P. A. McGrath, K.D. Davis, „Functional connectivity patterns of the left inferior frontal gyrus in cognitive and emotional interference” *NeuroImage*, 47, Suppl. 1, S179, 2009. (BDI)
- A5. **A. M. Mincic**, P. McGrath, K. Davis, „Broca's area BA 45 mediates the cognitive and emotional interference resolution in healthy adolescents”, *Proc. Intl. Soc. Magn. Reson. Med.* 17, 1692., 2009. (BDI)
- A6. U. Blankstein, J. Chen, **A. Mincic**, K. Davis, „Neuroanatomical Correlates of Neuroticism and Extraversion in Healthy Adolescents”, 2nd Annual Canadian Neuroscience Meeting, Montréal, Canada, May 25-28, 2008.
- A7. P. McGrath, S. Brown, E. Crawford, **A. Mincic**, K. Davis, „Quantitative sensory testing in healthy adolescents reveals sex differences”, 12th World Congress on Pain, Glasgow, Scotland, UK, August 17-22, 2008.
- A8. **A. Mincic** and K. Davis, „Personality traits and brain reactivity to emotional and cognitive interference in healthy adolescents”, Proceedings of the Federation of European Neurosciences Societies Meeting, Geneva, Switzerland, July 2008.
- A9 **A. Mincic**, „Functional MRI for studying the interaction between pain and cognition”, invited presentation at the workshop on *Neurosciences and transdisciplinarity*, Bucharest, Romania, September 2008.
- A10. **A. Mincic**, A. Crawley, P.A. McGrath, K.D. Davis, „Personality influences the cortical and behavioral responses to emotional Stroop task in healthy adolescents”, Proceedings of the *Society for Neuroscience Meeting*, Atlanta, USA, 2006.
- A11. P.A. McGrath, S.C. Brown, **A. Mincic**, A. Lisoway, C. Kogan, T. Williams, K.D. Davis, „Quantitative Sensory Testing in children with chronic pain”, 7th International Symposium on Pediatric Pain, Vancouver, Canada, June 2006; *Pain Research and Management*, vol. 11, Supplement B, 37b pp, 2006.
- A12. R.C.N. D'Arcy, L. Ryner, B. Ryan, **A. Mincic**, B. Matwiy, J. Matwiy, and M. Porter, „Innovative head restraint system minimizes head motion in fMRI”, *Proc. Intl. Soc. Magn. Reson. Med.* 10, 1408, 2002. (BDI)
- A13. B. Ryan, L. Ryner, R.C.N. D'Arcy, W. Richter, **A. Mincic**, and M. Porter, „Isokinetic dynamometry in the MR environment”, *Proc. Intl. Soc. Magn. Reson. Med.* 10, 1345, 2002. (BDI)
- A14. A. Mincic, E. Burzo, „Magnetic Properties of $Y_2Co_3B_{3-x}Si_x$ compounds”, *Balkan Physics Letters*, Proc. IVth Balkan Physical Union Conference, Veliko-Tarnovo, August 2000.

B. Internaționale recunoscute (cu ISSN sau ISBN) țară și din străinătate

C. Naționale

5 Brevete de invenție

6 Proiecte/contracte/granturi de cercetare-dezvoltare-inovare:

A. Obținute prin competiție pe bază de contract/grant internaționale

- A1. Contract de cercetare-dezvoltare finanțat din Fondul European de Dezvoltare Regionala prin programul de cooperare transfrontalier HURO 2007-2013, „Joint development of research infrastructure to improve cross-border activities in the investigation of neurodegenerative brain diseases and pain”, director de proiect, membru in echipa (2013) (296.494 euro).
- A2. Contract de cercetare-dezvoltare finanțat din Fondul European de Dezvoltare Regionala prin programul de cooperare transfrontalier HURO 2007-2013, „Joint development and implementation of an advanced training program in neurosciences”, manager de proiect, membru in echipa (2012-2013) (105.642 euro).
- A3. Contract de cercetare finanțat de Canadian Institute for Health Research (CIHR) „Gender differences in child development: vulnerability to chronic pain”, Canada, 2004 - 2006 membru.

- A4. Contract de cercetare Institute for Biodiagnostics – National Research Council, Canada (IBD-NRC) Nr. 6/2001 “fMRI for studying interactions between pain and cognition” 2001-2003 – membru.
- A5. Contract de cercetare IBD-NRC – University of Manitoba Nr. 12/1999, “Integrating isokinetic dynamometry in the MR environment for investigating central and peripheral mechanisms of muscle strength alteration with age”, 2001-2003 – membru.
- A6. Contract de cercetare – University of Manitoba, Department of Physics and Astronomy, Ultrasonics research laboratory. “Investigating ultrasound propagation in composite materials”, 01.03.2003-31.08.2003, membru.

B. Obținute prin competiție pe bază de contract/grant naționale

- B1. Bursa de cercetare acordată de Guvernul României, Proiect: Studiul proprietăților magnetice ale unor compuși ternari pe baza de pamanturi rare, Laboratoire de Magnetisme “Louis Néel”, CNRS, Grenoble, Franța, 1 Octombrie – 30 noiembrie 1999.

C. Contracte de cercetare cu mediul socio-economic

7. Recunoașterea prestigiului științific

1. Lector invitat la Universitatea Pierre Mendès France, Grenoble , Franța, martie- iulie 2012
2. Consultant științific, contract de cercetare „Memory and Thyroid hormone Imaging Study”, Hospital for Sick Children - Canadian Institute for Health Research (CIHR), Canada, 2009.

A. Conducere de doctorat

B. Referent în comisii de doctorat internaționale în ultimii 5 ani

C. Membru în colective de redacție ale unor reviste științifice recunoscute

D. Referent atestat al unor reviste științifice cotate ISI sau indexate în BDI în ultimii 5 ani

- referent extern The Cerebellum (Springer) 2013
- referent extern Brain and Cognition (Elsevier) 2013
- referent extern la OHBM Meeting, Seattle, SUA, 2013

E. Expert științific atestat național / internațional

F. Premii

G. Membru în asociații științifice și profesionale

- Society for Neuroscience (USA) 2005-2007
- International Brain Research Organization
- Federation of European Neuroscience Societies
- International Society for Magnetic Resonance in Medicine
- National Society for Neuroscience of Romania

8. Altele neprecizate mai sus.

Data 30 mai 2013

Semnatura