

Anexa 6b)

Lista contributiilor stiintifice reprezentative (10+10) ale membrilor Institutului de Fizica Ioan Ursu,
publicate in reviste recunoscute ISI
perioada: 2013 – 2016

A)Lista contributiilor din revistele cu cel mai mare factor de impact

1. **Benea Diana Ancuta, Chioncel Liviu, Ebert Hubert, Minar Jan, Ceeh Hubert, Boeni Peter, Weber J A, Vollhardt Dieter, Hugenschmidt Christof, Leitner M**, *Local electron-electron interaction strength in ferromagnetic nickel determined by spin-polarized positron annihilation*, Science_Citation_Expanded, SCIENTIFIC REPORTS, 6 , 2016, P.20898 – 20898 [IF = 5,228]
2. **Lázár Alpár Sándor , Lazar Zsolt-Iosif, Dijk Derk-Jan**, *Circadian regulation of slow waves in human sleep: Topographical aspects*, Science_Citation_Expanded, NEUROIMAGE, 116, 2015, P.123 – 134 [IF = 5,463]
3. **Lázár Alpár Sándor , Lazar Zsolt-Iosif, Panin Francesca, Goodman Anna O G, Lazic Stanley E, Mason Sarah L, Rogers Lorraine, Murgatroyd Peter R, Watson Laura, Singh Priya, Borowsky Beth, Shneerson John M, Barker Roger**, *Sleep, But No Metabolic, Deficits In Pre-Manifest Huntington's Disease*, Science_Citation_Expanded, ANNALS OF NEUROLOGY, 78, 2015, P.630 – 648 [IF = 9,638]
4. **Markov Nikola T, Ercsey-Ravasz Maria Magdoln, Ribeiro Gomes A. R., Lamy C., Magrou L, Vezoli J., Mysery P., Falchier A., Quilodran R., Gariel M. A., Sallet J., Gamanut R., Huissoud C., Clavagnier S., Giroud Pascale, Sappey-Marinier D., Barone P., Dehay C., Toroczkai Zoltan, Knoblauch Kenneth, Van Essen David C., Kennedy Henry**, *A Weighted and Directed Interareal Connectivity Matrix for Macaque Cerebral Cortex*, Science_Citation_Expanded, CEREBRAL CORTEX, 24 (1), 2014, P.17 – 36 [IF = 8,285]
5. **Toroczkai Zoltan, Ercsey-Ravasz Maria Magdoln**, *Predicting commuter flows in spatial networks using a radiation model based on temporal ranges*, Science_Citation_Expanded, NATURE COMMUNICATIONS, 5, 2014, P.5347 – 5356 [IF = 12,51]
6. **Marcu Alexandru, Mocanu Gabriela, Magyar Norbert, Pardi Anabele**, *Appearance of an accretion disc perturbed by fractional Brownian Motion density*, Science_Citation_Expanded, MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, 439, 2014, P.3790 – 3797 [IF = 4,952]
7. **Markov Nikola T, Ercsey-Ravasz Maria Magdoln, Lamy C., Ribeiro Gomes A. R., Magrou L, Mysery P., Giroud Pascale, Barone P., Dehay C., Toroczkai Zoltan, Knoblauch Kenneth, Van Essen David C., Kennedy Henry**, *The role of long-range connections on the specificity of the macaque interareal cortical network*, Science_Citation_Expanded, PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 110, 2013, P.5187 – 5192 [IF = 9,423]
8. **Ercsey-Ravasz Maria Magdoln, Markov Nikola T, Lamy C., Van Essen David C., Knoblauch Kenneth, Toroczkai Zoltan, Kennedy Henry**, *A predictive network model of cerebral cortical connectivity based on a distance rule.*, Science_Citation_Expanded, NEURON, 80, 2013, P.184 – 197 [IF = 13,974]

9. **Markov Nikola T, Ercsey-Ravasz Maria Magdoln, Van Essen David C., Knoblauch Kenneth, Toroczka Zoltan, Kennedy Henry**, *Cortical High-density Counter-stream Architectures*, Science_Citation_Expanded, SCIENCE, 342, 1238406, 2013, P.1 – 13 [IF = 33,61]

10. **Pinzaru Simona, Falamas Alexandra, Dehelean Cristina**, *Molecular conformation changes along the malignancy revealed by optical nanosensors*, Science_Citation_Expanded, JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, 17(2), 2013, P.277 – 286 [IF = 4,938]

B) Alte 10 contributi reprezentative

1. **AMATO A. , Andreica Daniel Aurelian, DALMAS DE REOTIER P., YAOUANC A., MORENZONI E. ,** *Understanding the mu SR spectra of MnSi without magnetic polarons*, Science_Citation_Expanded, PHYSICAL REVIEW B, 89, 2014, P.184425 - 184435

2. **Burzo Emil, Balasz-Muresan Istvan-Iozsef, Valeanu Mihaela, D.P. Kozlenko, S.E. Kichanov , A.V. Rutkauskas, B.N. Savenko**, *Magnetic and transport properties of Ca_{1.5}La_{0.5}FeMo_{1-x}W_xO₆ perovskites*, Science_Citation_Expanded, JOURNAL OF ALLOYS AND COMPOUNDS, 621, 2015, P.71 – 77

3. **Pop Viorel, Gutoiu Maria-Simona, Isnard Olivier, Chicinas Ionel, Popa Florin, Takacs Albert Flavius**, *The influence of milling and annealing conditions on the structural and magnetic behavior of Nd₂Fe₁₄B/a-Fe hard/soft magnetic nanocomposites*, Science_Citation_Expanded, JOURNAL OF ALLOYS AND COMPOUNDS, 646, 2015, P.859 - 865

4. **Leopold Nicolae, Muntean Cristina M., Tripon Carmen, Coste Ana, Halmagyi Adele**, *Surface-enhanced Raman spectroscopy of genomic DNA from in vitro grown tomato (Lycopersicon esculentum Mill.) cultivars before and after plant cryopreservation*, Science_Citation_Expanded, JOURNAL OF APPLIED SPECTROSCOPY, 144, 5, 2015, P.107 - 114

5. **Chis Vasile, Vinteler Emil, Stan Nicoleta-Florina, LUCHIAN Raluca-Andreea, Cainap Calin, Prates Ramalho João P.**, *Conformational landscape and low lying excited states of imatinib*, Science_Citation_Expanded, JOURNAL OF MOLECULAR MODELING, 21-84, 2015, P.1 - 13

6. **Iacovita Cristian, Stiufiuc Gabriela Fabiola, Tetean-Vinteler Romulus, Mican Sever, Iacovita Cristian, Stiufiuc Rares, Radu Teodora, Florea Adrian, Dutu Alina, Lucaciu Mihai**, *Polyethylene Glycol-Mediated Synthesis of Cubic Iron Oxide Nanoparticles with High Heating Power*, Science_Citation_Expanded, NANOSCALE RESEARCH LETTERS, vol.10, No.391, 2015, P.2 - 16

7. **Magyari Klara Dorottya, STEFAN Razvan, a'a b'b a'a , Vulpoi Adriana, Baia Gheorghe-Lucian**, *The silver influence on the structure and antibacterial properties of the bioactive 10B₂O₃–30Na₂O–60P₂O₂ glass*, Science_Citation_Expanded, JOURNAL OF NON-CRYSTALLINE SOLIDS, 402, 2014, P.182 - 186

8. **Benea Diana Ancuta, Chioncel Liviu, Mankovsky Serghey, Minar Jan, Ebert Hubert**, *Static corrections versus dynamic correlation effects in the valence band Compton profile spectra of Ni*,

Science_Citation_Expanded, PHYSICAL REVIEW B, 90, 2014, P.184426 - 184426

9.Borbely Sandor, Nagy Ladislau, Feist Johannes, Nagele Stefan, Burgdorfer Joachaim, Karoly Tokesi , *Ionization of helium by slow antiproton impact: Total and differential cross sections*, Science_Citation_Expanded, PHYSICAL REVIEW A, 90, 2014, P.52706 - 52706

10.Marconi Daniel, Lung Teofil-Claudiu, Pop Aurel, Marconi Daniel, *The influence of pelletization pressure on normal and superconducting properties of (Bi,Pb):2223 bulk system* , Science_Citation_Expanded, JOURNAL OF ALLOYS AND COMPOUNDS, 579, 2013, P.355 - 359