

Program Resurse Umane_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente
Rezultate finale_Fizica

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-RU-TE-2012-3-0449	Fizica	Dumitru	Ioan	Alexandru Ioan Cuza University	Microwave behavior study on non-saturated magnetic nanowire systems	98
2	PN-II-RU-TE-2012-3-0196	Fizica	Patu	Ovidiu	Institutul de Stiinte Spatiale	Thermodynamic Properties and Correlation Functions of Low-Dimensional Ultracold Atomic Gases	96.33
3	PN-II-RU-TE-2012-3-0439	Fizica	Cimpoesu	Dorin	Universitatea "Alexandru Ioan Cuza" din Iasi	Energy assisted magnetization reversal - dynamics and thermal effects (DYNAMIC)	91.34
4	PN-II-RU-TE-2012-3-0150	Fizica	Curecheriu	Lavinia-Petronela	University Alexandru Ioan Cuza	Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites	90.16
5	PN-II-RU-TE-2012-3-0440	Fizica	Constantinescu	Ovidiu Dragos	Institute for Space Sciences	Excitation, propagation and dissipation of ULF waves in the magnetosphere (ERODIUM)	86.83
6	PN-II-RU-TE-2012-3-0320	Fizica	Filip	Lucian Dragos	National Institute for Materials Physics	Metal-ferroelectric interfaces: From first principles to experimental optimization	84.17
7	PN-II-RU-TE-2012-3-0195	Fizica	COSTIN	Claudiu	Universitatea Alexandru Ioan Cuza din Iasi	Controlling the properties of thin films deposited by HIPIMS process by plasma diagnostics and numerical simulations	83.67
8	PN-II-RU-TE-2012-3-0046	Fizica	Popescu	Eugeniu	Institute of Space Science	Ground-based Romanian Weak Equivalence Principle Test (GR-WEPT)	83
9	PN-II-RU-TE-2012-3-0239	Fizica	Anghel	Alexandru	National Institute for Lasers, Plasma and Radiation Physics	Surface modifications and nuclear fusion fuel retention induced by dusty plasma - ITER-like wall materials interactions	83
10*	PN-II-RU-TE-2012-3-0295*	Fizica	Canpean	Valentin	Babes-Bolyai University	Plasmon-enhanced light harvesting and conversion for efficient solar cells	81.5*
11	PN-II-RU-TE-2012-3-0352	Fizica	Nita	Marian	National Institute of Material Physics	Spin and charge currents in mesoscopic devices and optical lattices	81.17
12	PN-II-RU-TE-2012-3-0266	Fizica	Mircea	Giloi	Babes-Bolyai University	Design and fabrication of plasmonic metamaterials for optical operation in visible wavelengths	80.5
13	PN-II-RU-TE-2012-3-0265	Fizica	Aranghel	Dorina	Horia Hulubei National Institute of Physics and Nuclear Engineering	Structural characterization of bovine trachea and shark cartilage chondroitin sulfate by physical methods	80.17
14	PN-II-RU-TE-2012-3-0405	Fizica	Gheorghiu	Mihaela	International Centre of Biodynamics	Plasmonic platform for time lapse assessment of cell dynamics	79.67
15*	PN-II-RU-TE-2012-3-0454*	Fizica	Mitrica	Bogdan	Horia Hulubei National Institute of Physics and Nuclear Engineering	The investigation of the atmospheric muons to clarify the nature of the cosmic rays and their propagation through the Earth's atmosphere	79.39*
16	PN-II-RU-TE-2012-3-0350	Fizica	Vitelaru	Catalin	National Institute for Research and Development in Optoelectronics	Development of new high temperature solar collector thin films by a multidisciplinary approach	79.34
17	PN-II-RU-TE-2012-3-0095	Fizica	Topala	Ionut	Universitatea "Alexandru Ioan Cuza" din Iasi	Atmospheric pressure nanosecond pulsed plasmas for food industry: new insights into interfacial mechanisms	79
18	PN-II-RU-TE-2012-3-0396	Fizica	Sevenco	Adrian	Institute of Space Science	Atmospheric effects on satellite detection of EAS fluorescent signatures	78.84

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**Conform Pachetului de Informatii proiectele cu punctaje mai mici de 75 puncte sunt nefinantabile.

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19	PN-II-RU-TE-2012-3-0160	Fizica	Filipescu	Dan Mihai	National Institute for Physics and Nuclear Engineering - Horia Hulubei	Study of sub-barrier fission resonances with gamma beams	77.83
20	PN-II-RU-TE-2012-3-0340	Fizica	Oprea	Corneliu Ioan	Ovidius University of Constanța	Molecular Modeling of Materials for Organic-Inorganic Interfaces Occurring in Solar Energy Conversion Devices	77.66
21	PN-II-RU-TE-2012-3-0393	Fizica	Capitan	Radu Dan	Universitatea "Alexandru Ioan Cuza" din Iași	Integrated Geologic and Morphometric Mapping of Martian Surface: a Regional Perspective of the Volcanic Provinces	77.49
22*	PN-II-RU-TE-2012-3-0481*	Fizica	Jurju	Aurel	National Institute for Research and Development of Isotopic and Molecular Technologies	Theoretical study of the dynamics of polymer networks modeled by multi-hierarchical fractal structures and multi-layered fractal structures	76.67*
23*	PN-II-RU-TE-2012-3-0373*	Fizica	Marin	Luminita	"Petru Poni" Institute of Macromolecular Chemistry Iasi	Thermotropic liquid crystals with tuned morphology for optoelectronic and electronic applications	76.33*
24	PN-II-RU-TE-2012-3-0280	Fizica	Tunyagi	Arthur	Universitatea Babes Bolyai	Revealing complex spatio-temporal patterns in emergent collective phenomena using networks of multipurpose electronic agents.	75.34
25**	PN-II-RU-TE-2012-3-0394**	Fizica	Radu	Adrian	Universitatea Politehnica Bucuresti	THEORY OF SEMICONDUCTOR NANOSTRUCTURES UNDER INTENSE ELECTROMAGNETIC FIELDS	74.5**
26**	PN-II-RU-TE-2012-3-0193**	Fizica	Pop	Nicolina	"Politehnica" University of Timisoara	REACTIVE COLLISION BETWEEN ELECTRONS AND MOLECULAR CATIONS: FROM QUANTUM METHODS TO APPLICATIONS	73.16**
27**	PN-II-RU-TE-2012-3-0233**	Fizica	Groza	Andreea Liliana	National Institute for Lasers, Plasma, and Radiation Physics	Surface material pre-treatments in atmospheric pressure discharges for enhancement adhesion of the deposited thin layers	73**
28**	PN-II-RU-TE-2012-3-0333**	Fizica	Baditoiu	Gabriel	Institute of Mathematics "Simion Stoilow" of the Romanian Academy	Geometric, Algebraic and Topological Methods for Quantum Field Theory	72.83**
29**	PN-II-RU-TE-2012-3-0466**	Fizica	Budriga	Olimpia	National Institute for Laser, Plasma and Radiation Physics	Effects of Spontaneously Generated Coherence and Incoherent Pumping in Systems Used for Quantum Information Processing and Quantum Computing	70.5**
30**	PN-II-RU-TE-2012-3-0424**	Fizica	Ivan	Liliana-Mihaela	Universitatea "Alexandru Ioan Cuza" din Iași	Experimental and theoretical investigations of the double layers dynamics in plasma. Applications.	70**
31**	PN-II-RU-TE-2012-3-0052**	Fizica	Tesileanu	Ovidiu	Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei" (IFIN-HH)	Stellar and Extragalactic Jets in the Context of Atomic and Nuclear Astrophysics	69.33**
32**	PN-II-RU-TE-2012-3-0124**	Fizica	Mihaela	Avadanei	Petru Poni Institute of Macromolecular Chemistry	Detection of erythrocyte molecular changes in breast and prostate cancer and correlation with evolution and blood chemotherapy toxicity	69.33**
33**	PN-II-RU-TE-2012-3-0464**	Fizica	Ionescu	Cristian Dumitru	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Sciences	Investigation of Microphase Formation in Colloidal Fluids with Three Dimensional Density Profile Variation, Characterized by Competing Interactions	67.34**
34**	PN-II-RU-TE-2012-3-0271**	Fizica	Dudric	Roxana	Babes-Bolyai University	Particle size effects on magnetic and transport properties of manganite nanoparticles	65.5**
35**	PN-II-RU-TE-2012-3-0041**	Fizica	rujoiu	corneliu marius	Institute of Space Science	Sonification of the Cosmic Rays Simulations	62**
36**	PN-II-RU-TE-2012-3-0326**	Fizica	Jarcău	Mihaela	ȘTEFAN CEL MARE UNIVERSITY OF SUCEAVA	NONLINEAR DYNAMICS IN THE STUDY OF PHYSICAL INTERACTIONS	56.33**

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37**	PN-II-RU-TE-2012-3-0174**	Fizica	Boer	Attila	Transilvania University of Brasov	Simulation of spin systems with long-range and frustrated interactions using nonextensive statistics	47.5**
38**	PN-II-RU-TE-2012-3-0187**	Fizica	Beiuseanu	Florian	University Of Oradea	> A realistic density functional and dynamical mean field approach for metal - semiconductor interfaces >	40.67**

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