

**PROGRAM IDEI\_PROIECTE DE CERCETARE EXPLORATORIE\_COMPETITIA 2012  
STIINTA MATERIALELOR**

Nr. Crt.	COD PROIECT	NUME DIRECTOR	PRENUME DIRECTOR	INSTITUTIE	TITLU	BUGET APROBAT 2014
1	PN-II-ID-PCE-2012-4-0057	Gabriela	Carja	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Self-Assemblies of Nanoparticles of Metal Oxides–Layered Double Hydroxides as Novel Formulations for Photocatalytic Applications	304,670
2	PN-II-ID-PCE-2012-4-0059	VLADOIU	RODICA	Universitatea Ovidius Constanta	Growth and control of the nanometer sized crystalline grains embedded in carbon based matrix by a novel concept of Thermionic Vacuum Arc method: LTVA	252,603
3	PN-II-ID-PCE-2012-4-0082	Teodorescu	Mircea	Universitatea Politehnica din Bucuresti	Injectable thermosensitive composite hydrogels based on degradable poly(N-isopropylacrylamide) – poly(ethylene glycol) triblock copolymers	288,031
4	PN-II-ID-PCE-2012-4-0111	Meghea	Aurelia	Universitatea Politehnica din Bucuresti	BIO-ACTIVE LIPID NANOCARRIERS FOR CO-ENCAPSULATION OF SELECTIVE VEGETAL EXTRACTS WITH ENHANCED PHARMACO-COSMETIC PERFORMANCE	278,621
5	PN-II-ID-PCE-2012-4-0261	Cazacu	Maria	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	New coordination networks containing polyfunctional flexible bridges	263,718
6	PN-II-ID-PCE-2012-4-0398	Kellenberger	Andrea Rozalia	Universitatea Politehnica din Timisoara	New fabrication concept of silver nanowire/polyaniline transparent, conductive and flexible electrodes for solar cells	263,970
7	PN-II-ID-PCE-2012-4-0424	Ovari	Tibor-Adrian	Institutul National de Cercetare Dezvoltare pentru Fizica Tehnica-IFT Iasi	Theoretical Modeling of the Magnetic Behavior of Rapidly Solidified Ferromagnetic Amorphous Submicron Wires and Nanowires	245,025
8	PN-II-ID-PCE-2012-4-0433	Hritcu	Doina	Universitatea Tehnica "Gheorghe Asachi" din Iasi	NEW COMPOSITE MATERIALS FOR SUPERHYDROPHOBIC COATINGS WITH ICE-REPELLANT PROPERTIES	273,064
9	PN-II-ID-PCE-2012-4-0467	Craciun	Valentin	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	All-amorphous-oxide transparent and mechanically flexible thin film transistor grown by pulsed laser deposition	303,821
10	PN-II-ID-PCE-2012-4-0470	Pop	Viorel	Universitatea Babes-Bolyai din Cluj-Napoca	Interphase Exchange Coupling in Hard/Soft Magnetic Nanocomposite	345,688
11	PN-II-ID-PCE-2012-4-0516	Valeanu	Mihaela	INSTITUTUL NATIONAL DE CERCETARE - DEZVOLTARE PENTRU FIZICA MATERIALELOR BUCURESTI RA	Magneto-caloric and magneto-resistance effects in Heusler type Ferromagnetic Shape Memory Alloys	262,707