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1	123	PN-II-ID-JRP-RO-FR-2011-2-0002	CONCEPT	Grigoras	Mircea	"Petru Poni" Institute of Macromolecular Chemistry	Conjugated Polymers and Carbon Nanotubes: Applications for Photovoltaic and Nanotubes Sorting	Chemistry
2	135	PN-II-ID-JRP-RO-FR-2011-2-0003	PHCALCOMA	Dadarlat	Dorin Nicolae	National Institute for Research and Development for Isotopic and Molecular Technologies Cluj-Napoca	CONTACT AND NON-CONTACT PHOTOTHERMAL CALORIMETRY FOR COMPOSITE MATERIALS	Physics
3	114	PN-II-ID-JRP-RO-FR-2011-2-0004	BIOOPTIMULTISCALE	Polisevschi	Dan	Institute of Mathematics "Simion Stoilow" of the Romanian Academy	Multiscale models for heterogeneous media, bio-mathematics and optimal control	Mathematics
4	132	PN-II-ID-JRP-RO-FR-2011-2-0005	MEMBIODYN	Grosu	Ion	Babes-Bolyai University	Dynamic Interactive Systems for Membranes and Biodynamers with Multivalent Recognition	Chemistry
5	82	PN-II-ID-JRP-RO-FR-2011-2-0006	H2 DIS	Sporea	Dan	National Institute for Laser, Plasma and Radiation Physics	Distributed Hydrogen Sensor based on original optical fibres	Physics
6	173	PN-II-ID-JRP-RO-FR-2011-2-0007	RMTQIT	Jivulescu	Maria Anastasia	University Politehnica of Timisoara	Random matrix techniques in quantum information theory	Mathematics
7	145	PN-II-ID-JRP-RO-FR-2011-2-0008	NAM2PS	Morosanu	Costica	Alexandru Ioan Cuza University	Numerical analysis of mathematical models in phase separation	Mathematics
8	162	PN-II-ID-JRP-RO-FR-2011-2-0009	NANOBIOSENSOR	Astilean	Simion	Babes-Bolyai University	Development of a highly sensitive and specific nanobiosensor based on surface enhanced vibrational spectroscopy dedicated to the in vitro protein detection and disease diagnosis	Physics
9	170	PN-II-ID-JRP-RO-FR-2011-2-0010	CHEM-SWITCH	Teodorescu	Cristian-Mihail	National Institute of Materials Physics	Chemical switching of surface ferroelectric topology	Physics
10	80	PN-II-ID-JRP-RO-FR-2011-2-0011	SENPOC	Ristoscu	Carmen-Georgeta	National Institute for Lasers, Plasma and Radiation Physics	Solar ENergy harvesting improvement by Plasmonic nanostructures in Organic photovoltaic Cells	Physics
11	186	PN-II-ID-JRP-RO-FR-2011-2-0012	FLOWSENS	Sandulescu	Robert	Iuliu Hatieganu University of Medicine and Pharmacy	Flow electrochemical system for heavy metals trace analysis	Chemistry
12	130	PN-II-ID-JRP-RO-FR-2011-2-0013	PDIChem	Rusen	Edina	Universitatea Politehnica Bucuresti	Perylenediimide (PDI) as a Versatile Tool for Targeted Applications in Photodynamic Therapy and Photonic Crystals	Chemistry
13	78	PN-II-ID-JRP-RO-FR-2011-2-0014	CoBrA	Ursescu	Daniel	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Coherent beam addition of intense lasers	Physics
14	157	PN-II-ID-JRP-RO-FR-2011-2-0015	MULTISCALES	Capatina	Anca	"Simion Stoilow" Institute of Mathematics of the Romanian Academy	Mathematical Methods for Multiscale Problems	Mathematics
15	201	PN-II-ID-JRP-RO-FR-2011-2-0017	HTPECC	Miclau	Marinela	Institutul National de Cercetare –Dezvoltare pentru Electrochimie si Materie Condensata	High temperature piezoelectric single crystals and textured transparent ceramics	Physics
16	158	PN-II-ID-JRP-RO-FR-2011-2-0018	DeSiRMem	Balan	Corneliu	Universitatea Politehnica din Bucuresti	Design, Processing and Properties of Silicon-containing Non-Oxide Ceramic Hollow Fibers, Nanofiber Mats and Coatings for Membrane Application	Chemistry
17	167	PN-II-ID-JRP-RO-FR-2011-2-0019	CALIXGOLD	Silaghi-Dumitrescu	Luminita	BABES BOLYAI UNIVESRSITY	Calixarenes as gold transporters	Chemistry
18	28	PN-II-ID-JRP-RO-FR-2011-2-0020	SurfBioMat	Benea	Lidia	Dunarea de Jos University of Galati	FUNCTIONAL SURFACES FROM PREPARATION TO ADVANCED CHARACTERISATION FOR BIOMATERIALS AND INDUSTRIAL APPLICATIONS	Chemistry

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19	200	PN-II-ID-JRP-RO-FR-2011-2-0021	DID	Rosca	Ileana-Constanta	Transylvania University of Brasov	Development of an implantable chamber used as fusion cage device in spinal surgery	Chemistry
20	120	PN-II-ID-JRP-RO-FR-2011-2-0022	CABBUS	Radulescu	Vicentiu	Universitatea din Craiova	Computation, Analysis of Boundary Blow Up Solutions	Mathematics
21	143	PN-II-ID-JRP-RO-FR-2011-2-0023	HEACORREL	Soare	Vasile	National Research-Development Institute for Non-Ferrous and Rare Metals	High entropy alloys with improved corrosion properties, obtained by electrochemical co-deposition processes	Chemistry
22	144	PN-II-ID-JRP-RO-FR-2011-2-0024	BIOPREDPART	Popa	Marcel	GHEORGHE ASACHI TECHNICAL UNIVERSITY OF IASI	Polysaccharidic micro and nanoparticles with predictable physico chemical properties suitable for certain biomedical applications	Chemistry
23	175	PN-II-ID-JRP-RO-FR-2011-2-0025	MACROCHEMOSS	Stancu	Izabela-Cristina	UNIVERSITY POLITEHNICA OF BUCHAREST	Macromolecular chemical strategy to generate high-performance bone grafts with controlled porosity, radio-opacity, high biomechanical properties and intrinsic bioactivity	Chemistry
24	150	PN-II-ID-JRP-RO-FR-2011-2-0026	DIGRAF	Oniciuc	Cezar	Universitatea Alexandru Ioan Cuza din Iasi	The variational method: fourth order elliptic problems, discrete geometry and flows	Mathematics
25	128	PN-II-ID-JRP-RO-FR-2011-2-0027	StringsIhc	Micu	Andrei	National Institute of Physics and Nuclear Engineering Horia Hulubei, IFIN-HH	String Theory, Particle Physics and Cosmology	Physics
26	122	PN-II-ID-JRP-RO-FR-2011-2-0028	ABEX	Vizman	Cornelia	West University of Timisoara	Abelian extensions, momentum maps, and sigma models	Mathematics
27	163	PN-II-ID-JRP-RO-FR-2011-2-0029	NANOSOIL	Predoi	Daniela	National Institute of Materials Physics	Nanoengineered particles for contaminated sites remediation : hydroxyapatites, clays, LDH and iron oxides	Chemistry
28	155	PN-II-ID-JRP-RO-FR-2011-2-0030	HICAPA	Ghica	Corneliu	National Institute of Materials Physics	Hierarchical systems based on carbon nanostructures and metallic oxide nanoparticles for use as supercapacitors.	Physics
29	164	PN-II-ID-JRP-RO-FR-2011-2-0031	SUSVIKAZE	Sarbu	Andrei	National Research- Development Institute for Chemistry and Petrochemistry	Supramolecular structures obtained by radical polymerization of vinyl monomers in kaolinite and natural and synthetic zeolites.	Chemistry
30	209	PN-II-ID-JRP-RO-FR-2011-2-0032	TIMLY	Costisor	Otilia	Institute of Chemistry Timisoara of the Romanian Academy	Coordination chemistry for antimicrobial activity	Chemistry
31	83	PN-II-ID-JRP-RO-FR-2011-2-0033	AFM PeroxyDopa	Peteu	Serban	National Institute for Research and Development in Chemistry	DEVELOPMENT OF PEROXYNITRITE AND DOPAMINE NANOSENSORS INTEGRATED ON AFM PROBES.	Chemistry
32	184	PN-II-ID-JRP-RO-FR-2011-2-0034	CrEMM	Andruh	Marius	University of Bucharest	Crystal Engineering of Multifunctional Molecule-Based Materials	Chemistry
33	208	PN-II-ID-JRP-RO-FR-2011-2-0035	INTANWIN	Cotea	Valeriu	Universitatea de Științe Agricole și Medicină Veterinară "Ion Ionescu de la Brad"	Impact study of nanomaterials for retention of tannin polymeric structures from wines	Chemistry
34	198	PN-II-ID-JRP-RO-FR-2011-2-0036	ODTIC	Craciun	Valentin	National Institute for Lasers, Plasma and Radiation Physics	Transition metal carbides under ion irradiation: a way to handle the effect of complex chemical bonding on the order disorder phase transitions	Physics
35	54	PN-II-ID-JRP-RO-FR-2011-2-0037	BIOPACT	Dinica	Rodica Mihaela	Dunarea de Jos	Emerging Bio-active Molecules for Bio-Active Paper Based Materials	Chemistry
36	147	PN-II-ID-JRP-RO-FR-2011-2-0038	DIALECT	Bala	Camelia	University of Bucharest	DIAMOND BASED ELECTRODE MICROARRAY BIOFUNCTIONALIZED THROUGH ELECTROADDRESSING FOR HIGH THROUGHPUT DETECTION OF FOOD CONTAMINANTS	Chemistry

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37	166	PN-II-ID-JRP-RO-FR-2011-2-0039	GABIN	Pavelescu	Emil Mihai	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU MICROTEHNOLOGIE IMT BUCURESTI	Novel III-V GaNAsBi alloys for GaAs-based optoelectronics	Physics
38	79	PN-II-ID-JRP-RO-FR-2011-2-0040	WHIPIMS	Vitelaru	Catalin	National Institute for Optoelectronics	Tungsten - W erosion and re-deposition in High Power Impulse Magnetron Sputtering Plasma	Physics
39	206	PN-II-ID-JRP-RO-FR-2011-2-0041	SLIDE_ARC	Plesca	Adrian Traian	Gheorghe Asachi Technical University of Iasi	Analysis of the thermo-electric phenomena of the sliding electric arc for the contact-less energy transfer	Physics
40	57	PN-II-ID-JRP-RO-FR-2011-2-0042	AFS	Parvulescu	Vasile	Universitatea din Bucuresti, Facultatea de Chimie, Centrul de cercetare Catalizatori si Procese catalitice	Asymmetric flow synthesis. Development of new Supported phase catalysts for asymmetric catalysis	Chemistry
41	168	PN-II-ID-JRP-RO-FR-2011-2-0043	BIOCOAT_BY_LASER	Mihailescu	Ion N.	National Institute for Lasers, Plasma and Radiation Physics	Innovative BIOactive COATings for orthopaedic implants deposited BY new pulsed LASER methods	Physics
42	149	PN-II-ID-JRP-RO-FR-2011-2-0044	SOLITEC	Olariu	Romeo-Iulian	ALEXANDRU IOAN CUZA UNIVERSITY OF IASI	Secondary Organic Aerosol Formation. Laboratory Investigations on Laminar flow Tube Reactor and Environmental Reaction Chamber	Chemistry
43	61	PN-II-ID-JRP-RO-FR-2011-2-0045	MBFC-3D	Ciucu	Anton Alexandru	UNIVERSITY OF BUCHAREST	Enzymatic Micro-biofuel cells designs based on porous 3D nanostructures	Chemistry
44	174	PN-II-ID-JRP-RO-FR-2011-2-0046	ToolBaC	Creț	Octavian Augustin	Universitatea Tehnică din Cluj-Napoca	Tools for Practical Lattice-Based Cryptography	Mathematics
45	182	PN-II-ID-JRP-RO-FR-2011-2-0047	ARCHY	Chirita	Mihai	University of Medicine and Pharmacy "Grigore T.Popa"-Iași	Synthesis of hybrid architectures based on natural and synthetic polymers for tissue engineering	Chemistry
46	214	PN-II-ID-JRP-RO-FR-2011-2-0048	MIPSLM	Sandulescu-Tudorache	Madalina	University of Bucharest	Monitoring and Remediation System Integrating Artificial Antibody Against Environmental Endocrine Disruptors for a Sustainable Wastewater Management	Chemistry
47	136	PN-II-ID-JRP-RO-FR-2011-2-0049	THIOPEP	IRIMIE	Florin Dan	Babes Bolyai University of Cluj Napoca, Faculty of Chemistry and Chemical Engineering, Department of Biochemistry and Biochemical Engineering	Thiopeptides antibiotics: A versatile general synthetic access	Chemistry
48	211	PN-II-ID-JRP-RO-FR-2011-2-0050	FluoCandecomp	Pavelescu	Gabriela	National Institute R&D for Optoelectronics	Adapt and optimize the signal processing of fluorescence spectroscopy data for environmental survey	Mathematics
49	142	PN-II-ID-JRP-RO-FR-2011-2-0051	NAUTILAS	Morjan	Ion	National Institute for Lasers, Plasma and Radiation Physics	Development of novel nanostructured titania-based composites produced by the laser pyrolysis for sustainable, cost-efficient wastewater treatment	Chemistry
50	213	PN-II-ID-JRP-RO-FR-2011-2-0052	DANUBIOS	Vasile	Geanina Gabriela	National Research and Development Institute for Industrial Ecology	Modern analytical instruments for, in situ, contaminants detection in DANUbe delta : BIOSensors	Chemistry
51	161	PN-II-ID-JRP-RO-FR-2011-2-0053	CoordPolPlat	Madalan	Augustin	University of Bucharest	Coordination Polymers as platform for functional porous assemblies	Chemistry
52	153	PN-II-ID-JRP-RO-FR-2011-2-0054	DYLIPSS	Zamfirescu	Marian	National Institute for Lasers Plasma and Radiations Physics	Dynamics of Laser-Induced Periodic Surface Structures	Physics
53	154	PN-II-ID-JRP-RO-FR-2011-2-0055	NACMC	Bicu	Elena	"Alexandru Ioan Cuza" University	Diversity-Oriented Synthesis of Azaindole Heterocycles Based on the Use of N-Acyliminium Chemistry under Mild Conditions	Chemistry
54	207	PN-II-ID-JRP-RO-FR-2011-2-0056	COFeln	Poienar	Maria	INSTITUTUL NATIONAL DE CERCETARE – DEZVOLTARE PENTRU ELECTROCHIMIE SI MATERIE CONDENSATA TIMISOARA	Influence of temperature and high pressure on the structural and physical properties in Fe-based Charge Order systems	Chemistry

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55	109	PN-II-ID-JRP-RO-FR-2011-2-0057	SON	Sirghi	Lucel	UNIVERSITATEA ALEXANDRU IOAN CUZA	Sun light Oxy-Nitrides for energy applications	Physics
56	131	PN-II-ID-JRP-RO-FR-2011-2-0058	POLCA	Florea	Mihaela	University of Bucharest	Catalytic biogas conversion under polarization	Chemistry
57	159	PN-II-ID-JRP-RO-FR-2011-2-0059	OPTOSPINSENS	Iacomi	Felicia Dacia	Alexandru Ioan Cuza University	Functional thin films and nanostructures for advanced applications in optoelectronics, spintronics and sensors	Physics
58	40	PN-II-ID-JRP-RO-FR-2011-2-0060	DEPART	Sofonea	Victor	Academia Romana - Filiala Timisoara	Lattice Boltzmann models for predicting the deposition of inertial particles transported by turbulent flows	Physics
59	100	PN-II-ID-JRP-RO-FR-2011-2-0061	FLAAMAT	Gurlui	Silviu	Universitatea "Alexandru Ioan Cuza" din Iasi	Fundamentals of Laser Ablation and Applications to MATerials of High Technological Potential	Physics
60	119	PN-II-ID-JRP-RO-FR-2011-2-0062	ContPortfoptdefas	Iftimie	Bogdan	The Bucharest University of Economic Studies	Contributions to portfolio optimization problems involving defaultable assets	Mathematics
61	148	PN-II-ID-JRP-RO-FR-2011-2-0063	SwitchElec	Rotaru	Aurelian	Stefan cel Mare University	Switchable molecules for nanoelectronics and spintronics.	Chemistry
62	156	PN-II-ID-JRP-RO-FR-2011-2-0064	IMPACT	Stanculescu	Anca	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Intelligent Multifunctional Protective Coatings for energy saving windows and industrial photovoltaic applications	Physics

Aceasta lista contine propunerile de proiecte depuse de Principal Investigators din Romania, pe platforma UEFISCDI