

**Indicatorul 4.1.- Articole, proceedings paper, review publicate in reviste cotate ISI Web of Science**

Anul pub.	Nr. revista	Nr. Total autori	Autori care sunt membri din centru		Titlul articolului	Denumire revista cotate ISI	Factor de impact (2008)	ISSN
			Numele autorilor	Nr. Aut.				
2005	47 (12)	3	PETRISOR IULIAN, NEGREA MARIAN	2	ANISOTROPIC ELECTROSTATIC TURBULENCE AND ZONAL FLOW GENERATION	PLASMA PHYSICS AND CONTROLLED FUSION	2.299	0741-3335
2005	T118	2	CONSTANTINESCU RADU DAN	1	TRANSPORT BARRIERS AND DIFFUSION PHENOMENA FOR THE MAGNETIC FIELD LINES IN TOKAMAK	PHYSICA SCRIPTA	0.970	0031-8949
2005	7	2	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	SELF-INTERACTIONS IN A TOPOLOGICAL BF-TYPE MODEL IN D=5	JOURNAL OF HIGH ENERGY PHYSICS	5.375	1126-6708
2005	2	4	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, LUNGU ADRIANA COSTELIA, SALIU SOLANGE ODILE	4	NO MULTI-GRAVITON THEORIES IN THE PRESENCE OF A DIRAC FIELD	JOURNAL OF HIGH ENERGY PHYSICS	5.375	1126-6708
2005	41 (3)	4	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SALIU SOLANGE ODILE, SARARU SILVIU- CONSTANTIN	4	COUPLINGS OF A COLLECTION OF BF MODELS TO MATTER THEORIES	EUROPEAN PHYSICAL JOURNAL C	2.805	1434-6044
2006	15 (6)	4	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, LUNGU ADRIANA COSTELIA, SARARU SILVIU CONSTANTIN	4	NO CROSS-INTERACTIONS BETWEEN THE WEYL GRAVITON AND THE MASSLESS RARITA-SCHWINGER FIELD	ANNALEN DER PHYSIK	1.161	0003-3804
2006	74 (4)	4	BIZDADEA CONSTANTIN, NEGRU IULIAN, SALIU SOLANGE-ODILE	3	COUPLINGS BETWEEN A SINGLE MASSLESS TENSOR FIELD WITH THE MIXED SYMMETRY (3,1) AND ONE VECTOR FIELD	PHYSICS REVIEW D	5.050	1550-7998

UNIVERSITATEA DIN CRAIOVA  
 FACULTATEA DE FIZICĂ  
 CENTRU DE CERCETARE: FIZICĂ TEORETICĂ

2006	39 (33)	4	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SALIU SOLANGE-ODILE	3	INTERACTIONS BETWEEN A MASSLESS TENSOR FIELD WITH THE MIXED SYMMETRY OF THE RIEMANN TENSOR AND A MASSLESS VECTOR FIELD	JOURNAL OF PHYSICS A	1.540	0305-4470
2006	21 (19- 20)	3	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, LUNGU ADRIANA-COSTELIA	3	NO INTERACTIONS FOR A COLLECTION OF WEYL GRAVITONS INTERMEDIATED BY A SCALAR FIELD	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2006	10	5	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, NEGRU IULIAN, SALIU SOLANGE-ODILE, SARARU SILVIU CONSTANTIN	5	ON THE GENERALIZED FREEDMAN- TOWNSEND MODEL	JOURNAL OF HIGH ENERGY PHYSICS	5.375	1126-6708
2006	48 (1)	5	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SALIU SOLANGE-ODILE, SARARU SILVIU- CONSTANTIN	4	NO INTERACTIONS FOR A COLLECTION OF SPIN-TWO FIELDS INTERMEDIATED BY A MASSIVE RARITA-SCHWINGER FIELD	EUROPEAN PHYSICAL JOURNAL C	2.805	1434-6044
2006	21 (31)	3	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	3	COUPLINGS BETWEEN A COLLECTION OF BF MODELS AND A SET OF THREE-FORM GAUGE FIELDS	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2006	21 (12)	2	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	PT-SYMMETRY BREAKING HAMILTONIAN INTERACTIONS IN BF MODELS	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2006	15 (3)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	GAUGE FIXING PROCEDURE IN THE EXTENDED BRST THEORY	ANNALEN DER PHYSIK	1.161	0003-3804
2006	21 (7)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	THE EQUIVALENCE BETWEEN THE LAGRANGEAN AND THE HAMILTONIAN FORMALISMS FOR THE EXTENDED BRST SYMMETRY	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2006	4 (4)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	FROM THE HAMILTONIAN TO THE LAGRANGEAN FORMALISM FOR 1- REDUCIBLE THEORIES. THE FREEDMAN-TOWNSEND MODEL	CENTRAL EUROPEAN JOURNAL OF PHYSICS	0.448	1895-1082

UNIVERSITATEA DIN CRAIOVA  
 FACULTATEA DE FIZICĂ  
 CENTRU DE CERCETARE: FIZICĂ TEORETICĂ

2006	21 (32)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	MULTIDIFFERENTIAL COMPLEXES AND THEIR APPLICATION TO GAUGE THEORIES	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2006	45 (9)	2	CONSTANTINESCU RADU DAN	1	LIE SYMMETRIES FOR HAMILTONIAN SYSTEMS METHODOLOGICAL APPROACH	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	0.675	0020-7748
2006	13 (2)	2	CONSTANTINESCU RADU DAN	1	SYMMETRIES AND INVARIANTS FOR THE 2D-RICCI FLOW MODEL	JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS	0.760	1402-9251
2007	75 (1)	3	PETRISOR IULIAN, NEGREA MARIAN	2	ELECTRON DIFFUSION IN A SHEARED UNPERTURBED MAGNETIC FIELD AND AN ELECTROSTATIC STOCHASTIC FIELD	PHYSICA SCRIPTA	0.970	0031-8949
2007	40 (48)	5	BIZDADEA CONSTANTIN, CIOROIANU EUGEN-MIHAITA, SALIU SOLANGE-ODILE, SARARU SILVIU-CONSTANTIN	4	AN IRREDUCIBLE APPROACH TO SECOND-ORDER REDUCIBLE SECOND-CLASS CONSTRAINTS	JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL	1.540	0305-4470
2007	49 (11)	3	NEGREA MARIAN, PETRISOR IULIAN	2	ROLE OF STOCHASTIC ANISOTROPY AND SHEAR ON MAGNETIC FIELD LINES DIFFUSION	PLASMA PHYSICS AND CONTROLLED FUSION	2.299	0741-3335
2007	14 (2)	2	POMETESCU NICOLAE	1	RADIAL AND POLOIDAL PARTICLE AND ENERGY FLUXES IN A TURBULENT NON-OHMIC PLASMA: AN ION-CYCLOTRON RESONANCE HEATING CASE	PHYSICS OF PLASMAS	2.427	1070-664X
2008	23 (10)	1	IONESCU CARMEN LILIANA	1	THE SP(3) BRST HAMILTONIAN FORMALISM FOR THE YANG-MILLS FIELDS	MODERN PHYSICS LETTERS A	1.334	0217-7323
2008	794 (3)	6	BIZDADEA CONSTANTIN, CIOROIANU EUGEN-MIHAITA, SALIU SOLANGE-ODILE, SARARU SILVIU-CONSTANTIN	4	INTERACTIONS FOR A COLLECTION OF SPIN-TWO FIELDS INTERMEDIATED BY A MASSLESS P-FORM	NUCLEAR PHYSICS B	4.158	0550-3213
2008	77 (5)	3	NEGREA MARIAN, PETRISOR IULIAN	2	CHARACTERIZATION OF ZONAL FLOW GENERATION IN WEAK ELECTROSTATIC TURBULENCE	PHYSICA SCRIPTA	0.970	0031-8949

UNIVERSITATEA DIN CRAIOVA  
 FACULTATEA DE FIZICĂ  
 CENTRU DE CERCETARE: FIZICĂ TEORETICĂ

2008	41 (28)	3	BIZDADEA CONSTANTIN, SALIU SOLANGE-ODILE	2	NO CROSS-INTERACTIONS AMONG DIFFERENT TENSOR FIELDS WITH THE MIXED SYMMETRY (3,1) INTERMEDIATED BY A VECTOR FIELD	JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL	1.540	0305-4470
2008	10 (8)	6	NEGREA MARIAN, PETRISOR IULIAN	2	ANOMALOUS TEST PARTICLE TRANSPORT IN TURBULENT MHD MAGNETIC FIELDS	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.577	1454-4164
2008	10 (8)	3	NEGREA MARIAN, PETRISOR IULIAN	2	INFLUENCE OF MAGNETIC SHEAR AND STOCHASTIC ELECTROSTATIC FIELD ON THE ELECTRON DIFFUSION	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.577	1454-4164
2008	10 (8)	3	NEGREA MARIAN, PETRISOR IULIAN	2	ON REVISITED MODELS OF L-H TRANSITION FOR TOKAMAK PLASMAS	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.577	1454-4164
2008	10 (8)	1	POMETESCU NICOLAE	1	ION DENSITY PERTURBATION DRIVEN BY ELECTROMAGNETIC TURBULENCE AND ICRH	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.577	1454-4164
2008	23 (29)	3	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	ON THE UNIQUENESS OF D=11 INTERACTIONS AMONG A GRAVITON, A MASSLESS GRAVITINO AND A THREE-FORM. I: PAULI-FIERZ AND THREE-FORM	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2008	23 (30)	3	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	ON THE UNIQUENESS OF D=11 INTERACTIONS AMONG A GRAVITON, A MASSLESS GRAVITINO AND A THREE-FORM. II: THREE- FORM AND GRAVITINI	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2008	23 (30)	3	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	ON THE UNIQUENESS OF D=11 INTERACTIONS AMONG A GRAVITON, A MASSLESS GRAVITINO AND A THREE-FORM. III: GRAVITON AND GRAVITINI	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X
2008	23 (30)	3	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	ON THE UNIQUENESS OF D=11 INTERACTIONS AMONG A GRAVITON, A MASSLESS GRAVITINO AND A THREE-FORM. IV: PUTTING THINGS TOGETHER	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	0.982	0217-751X

UNIVERSITATEA DIN CRAIOVA  
 FACULTATEA DE FIZICĂ  
 CENTRU DE CERCETARE: FIZICĂ TEORETICĂ

2008	58 (1)	5	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SALIU SOLANGE-ODILE, SARARU SILVIU- CONSTANTIN	4	FOUR-DIMENSIONAL COUPLINGS AMONG BF AND MASSLESS RARITA-- SCHWINGER THEORIES: A BRST COHOMOLOGICAL APPROACH	EUROPEAN PHYSICAL JOURNAL C	2.805	1434-6044
2008	68 (8)	2	CONSTANTINESCU RADU DAN	1	LIE SYMMETRIES AND INVARIANTS FOR 2D NONLINEAR HEAT EQUATION	NONLINEAR ANALYSIS- THEORY METHODS & APPLICATIONS	1.295	0362-546X
2009	42 (8)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	A CHERN-SIMONS GAUGE-FIXED LAGRANGIAN IN A NON-CANONICAL BRST APPROACH	JOURNAL OF PHYSICS A: MATHEMATICAL AND THEORETICAL	1.540	0305-4470
2009	7 (4)	2	CONSTANTINESCU RADU DAN, IONESCU CARMEN LILIANA	2	THE YANG-MILLS MODEL: FROM GAUGE THEORY TO THE MECHANICAL MODEL	CENTRAL EUROPEAN JOURNAL OF PHYSICS	0.448	1895-1082
2009	812 (1- 2)	6	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, NEGRU IULIAN, SALIU SOLANGE-ODILE, SARARU SILVIU- CONSTANTIN	5	REDUCIBLE SECOND-CLASS CONSTRAINTS OF ORDER L: AN IRREDUCIBLE APPROACH	NUCLEAR PHYSICS B	4.158	0550-3213
2009	57 (5- 7)	3	CIOROIANU EUGEN- MIHAITA, SARARU SILVIU-CONSTANTIN	2	ON THE CONSISTENT INTERACTIONS IN $D = 11$ AMONG A GRAVITON, A MASSLESS GRAVITINO AND A THREE-FORM	FORTSCHRITTE DER PHYSIK	1.309	0015-8208
2009	63 (3)	6	BIZDADEA CONSTANTIN, CIOROIANU EUGEN- MIHAITA, SALIU SOLANGE-ODILE, SARARU SILVIU- CONSTANTIN	4	CONSISTENT INTERACTIONS OF DUAL LINEARIZED GRAVITY IN $D=5$ : COUPLINGS WITH A TOPOLOGICAL BF MODEL	EUROPEAN PHYSICAL JOURNAL C	2.805	1434-6044