

INFORMAȚII PERSONALE

CRISTINA STAN

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 cristina.stan@upb.ro [Redacted]

Sex Feminin | Data nașterii [Redacted] | Naționalitate Română

EXPERIENȚA PROFESIONALĂ

- mart. 2015 – prezent** **Profesor universitar**
 Facultatea de Științe Aplicate - UPB, Splaiul Independenței 313, București
 Activități didactice și de cercetare, Titular al disciplinelor Fizică 1 și 2 (Facultatea de Energetică și Facultatea de Automatică și Calculatoare) și Mecanică cuantică aplicată (Facultatea de Științe Aplicate)
- oct. 2004 – feb. 2015** **Conferențiar**
 Facultatea de Științe Aplicate - UPB, Splaiul Independenței 313, București
 Activități didactice și de cercetare. Titular al disciplinelor Fizică 1 și 2 (Facultatea de Energetică), Fizică neliniară (Facultatea de Științe Aplicate)
- oct. 2000 – sept 2004** **Șef de lucrări**
 Facultatea de Științe Aplicate - UPB, Splaiul Independenței 313, București
 Activități didactice și de cercetare
- feb. 1999 –sept. 2000** **Lector**
 Facultatea de Fizica, Universitatea Alexandru Ioan Cuza, Bvd Carol nr 1, Iași
 Activități didactice și de cercetare
- Sept. 1990– Jan. 1999** **Asistent**
 Facultatea de Fizica, Universitatea Alexandru Ioan Cuza, Bvd Carol nr 1, Iași
 Activități didactice și de cercetare
- Sept. 1989– Sept. 1990** **Profesor titular**
 Liceul Ind. no 2, Bacău,
 Activități didactice

EDUCAȚIE ȘI FORMARE

- 2016** **Atestat de abilitare în domeniul de studii universitare de doctorat Fizică -**
 (OM No. 3968/ 07.06.2016).
 Titlul tezei "Dinamici neliniare, zgomot și controlul haosului: experiment și modelare în plasmă de joasă presiune și alte sisteme neliniare"
- 2000** **Doctor în Fizica -**
 Universitatea Alexandru Ioan Cuza, Bvd Carol nr 1, Iași
 Titlul tezei "Structuri auto-organizate de sarcini spațiale în dispozitivele de tip diodă cu plasmă"
- 1985-1989** **- Diploma de licență**
 Facultatea de Fizica, Universitatea Alexandru Ioan Cuza, Iași, Bvd Carol nr 1, Iași,
 Romania

APTITUDINI ȘI COMPETENȚE PERSONALE

Limba maternă	Româna				
	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Engleza	C1	C1	C1	B2	C1
Franceza	B1	B1	A2	A2	A1
Germana	A2	B1	A2	A2	A1

- Competențe de comunicare** bune competențe de comunicare dobândite prin experiența didactică și prin participări la sesiuni de comunicări științifice naționale și internaționale
- Abilități manageriale**
- membru în echipa de cercetare la peste 20 proiecte naționale și internaționale, la 8 proiecte/ granturi – director/responsabil
 - membru în comitetul de organizare a unor conferințe naționale și internaționale

INFORMAȚII SUPLIMENTARE

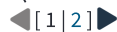
- Publicații**
- **14** cărți/capitole științifice și manuale pentru studenți publicate ca autor sau co-autor;
 - peste **100** de lucrări științifice (**83** ISI Web of Science) în domeniul fenomenelor neliniare și haotice din sisteme complexe (fizice, biofizice și econofizice), structuri cuantice semiconductoare și analiza neliniară a seriilor de date
- Citări** Lucrări citate în peste 300 articole ISI (fără autocitări).
- Web of Science Researcher ID:AAB-1344-2020
<https://publons.com/researcher/3326484/cristina-stan/> Indice Hirsch H=14;
 - [Scopus Author ID: 7004427420](https://scopus.com/authid/detail.uri?authorid=7004427420) Indice Hirsch H=14;
 - Google Scholar <https://scholar.google.com/citations?user=vocWBbEAAAAJ&hl=en> Indice Hirsch H=15
 - <http://orcid.org/0000-0003-1757-4011>
- Altele**
- Referent la Physica A: Statistical Mechanics and its Applications; Acta Chimica, Journal of Zhejiang University SCIENCE A. Springer, International Journal of Bifurcation and Chaos, Journal of Plasma Physics, Current Bioinformatics; Entropy; Journal of Mass Spectrometry; Philosophical Magazine, Journal of Optoelectronics and Advanced Materials, Revue Roumaine De Chimie, Revista de Chimie, Journal of Plasma Physics, Applied Surface Science, Thin Solid Films
 - Membru în Comitetul Științific al UPB Scientific Bulletin și la Buletinul Științific al Universității Tehnice "Gheorghe Asachi", Iași
 - Referent la teze de doctorat la Universitatea Al. I. Cuza Iași, la Universitatea Politehnica București, Universitatea Lille, Franța
 - Premiul „Constantin Miculescu” al Academiei Române pe 2017
 - Membru în Consiliul Facultății de Științe Aplicate (2016 – prezent)
 - Membru în Comisia de Etică UPB (2019 – prezent)
 - Membru în Comisia de Fizică CNATDCU (2018-2020)

ANEXE

Lista de lucrări ISI.

Close

Print

**Record 1 of 83****Title:** Investigation of multifractal cross-correlation surfaces of Hurst exponents for some atmospheric pollutants**Author(s):** Stan, C (Stan, Cristina); Marmureanu, L (Marmureanu, Luminita); Marin, C (Marin, Cristina); Cristescu, CP (Cristescu, Constantin P.)**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 545 **Article Number:** 123799 **DOI:** 10.1016/j.physa.2019.123799 **Published:** MAY 1 2020**Accession Number:** WOS:000526845600078**ISSN:** 0378-4371**eISSN:** 1873-2119**Record 2 of 83****Title:** Silanized Citric Acid Capped Magnetic Nanoparticles and Influence on Chlorophylls**Author(s):** Popescu, L (Popescu, L.); Sacarescu, L (Sacarescu, L.); Grigoras, M (Grigoras, M.); Morosanu, C (Morosanu, C.); Creanga, D (Creanga, D.); Dorohoi, D (Dorohoi, D.); Stan, C (Stan, C.)**Edited by:** Tiginyanu I; Sontea V; Railean S**Source:** 4TH INTERNATIONAL CONFERENCE ON NANOTECHNOLOGIES AND BIOMEDICAL ENGINEERING, ICNBME-2019 **Book Series:** IFMBE Proceedings **Volume:** 77 **Pages:** 237-241 **DOI:** 10.1007/978-3-030-31866-6_47 **Published:** 2020**Accession Number:** WOS:000552314200047**ISSN:** 1680-0737**ISBN:** 978-3-030-31866-6; 978-3-030-31865-9**Record 3 of 83****Title:** Influence of spin-orbit interaction, Zeeman effect and light polarisation on the electronic and optical properties of pseudo-elliptic quantum rings under magnetic field**Author(s):** Bejan, D (Bejan, D.); Stan, C (Stan, C.)**Source:** PHILOSOPHICAL MAGAZINE **DOI:** 10.1080/14786435.2019.1696486 **Early Access Date:** DEC 2019**Accession Number:** WOS:000500099000001**ISSN:** 1478-6435**eISSN:** 1478-6443**Record 4 of 83****Title:** Electric Freedericksz transition in nematic liquid crystals with graphene quantum dot mixture**Author(s):** Cirtoaje, C (Cirtoaje, Cristina); Petrescu, E (Petrescu, Emil); Stan, C (Stan, Cristina); Rogachev, A (Rogachev, Andrey)**Source:** APPLIED SURFACE SCIENCE **Volume:** 487 **Pages:** 1301-1306 **DOI:** 10.1016/j.apsusc.2019.05.073 **Published:** SEP 1 2019**Accession Number:** WOS:000471996400146**ISSN:** 0169-4332**eISSN:** 1873-5584**Record 5 of 83****Title:** Wintertime Variations of Gaseous Atmospheric Constituents in Bucharest Peri-Urban Area**Author(s):** Marin, CA (Marin, Cristina Antonia); Marmureanu, L (Marmureanu, Luminita); Radu, C (Radu, Cristian); Dandocsi, A (Dandocsi, Alexandru); Stan, C (Stan, Cristina); Toanca, F (Toanca, Flori); Preda, L (Preda, Liliana); Antonescu, B (Antonescu, Bogdan)**Source:** ATMOSPHERE **Volume:** 10 **Issue:** 8 **Article Number:** 478 **DOI:** 10.3390/atmos10080478 **Published:** AUG 2019**Accession Number:** WOS:000482983500027**eISSN:** 2073-4433**Record 6 of 83****Title:** Magnetic field controlled induced transparency by Autler-Townes splitting in pseudo-elliptic quantum ring**Author(s):** Bejan, D (Bejan, Doina); Stan, C (Stan, Cristina); Toma, O (Toma, Ovidiu)**Source:** EUROPEAN PHYSICAL JOURNAL B **Volume:** 92 **Issue:** 7 **Article Number:** 153 **DOI:** 10.1140/epjb/e2019-100223-x **Published:** JUL 2019**Accession Number:** WOS:000475612500002**ISSN:** 1434-6028**eISSN:** 1434-6036**Record 7 of 83****Title:** Aharonov-Bohm effect in pseudo-elliptic quantum rings: influence of geometry, eccentricity and electric field**Author(s):** Bejan, D (Bejan, Doina); Stan, C (Stan, Cristina)**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 3 **Article Number:** 127 **DOI:** 10.1140/epjp/i2019-12557-6 **Published:** MAR 2019**Accession Number:** WOS:000462313200005**ISSN:** 2190-5444**Record 8 of 83****Title:** Oscillatory behaviour in the energy and nonlinear optical rectification spectra of elliptic quantum rings under electric field: influence of impurity and eccentricity**Author(s):** Bejan, D (Bejan, Doina); Stan, C (Stan, Cristina)**Source:** PHILOSOPHICAL MAGAZINE **Volume:** 99 **Issue:** 4 **Pages:** 492-512 **DOI:** 10.1080/14786435.2018.1546959 **Published:** FEB 16 2019

Accession Number: WOS:000455480300005

ISSN: 1478-6435

eISSN: 1478-6443

Record 9 of 83

Title: STUDY ON AGEING OF COBALT FERRITE NANOPARTICLES AND THEIR FATE IN THE ENVIRONMENT

Author(s): Popescu, L (Popescu, L.); Buzatu, D (Buzatu, D.); Balasoiu, M (Balasoiu, M.); Stan, C (Stan, C.); Vasile, BS (Vasile, B. S.); Sacarescu, L (Sacarescu, L.); Creanga, D (Creanga, D.); Ivankov, O (Ivankov, O.); Soloviov, D (Soloviov, D.); Balasoiu-Gaina, AM (Balasoiu-Gaina, A-M)

Source: ROMANIAN JOURNAL OF PHYSICS **Volume:** 64 **Issue:** 9-10 **Article Number:** 818 **Published:** 2019

Accession Number: WOS:000501555500009

ISSN: 1221-146X

Record 10 of 83

Title: Optical properties of an elliptic quantum ring: Eccentricity and electric field effects

Author(s): Bejan, D (Bejan, Doina); Stan, C (Stan, Cristina); Niculescu, EC (Niculescu, Ecaterina C.)

Source: OPTICAL MATERIALS **Volume:** 78 **Pages:** 207-219 **DOI:** 10.1016/j.optmat.2018.02.008 **Published:** APR 2018

Accession Number: WOS:000430994200026

ISSN: 0925-3467

eISSN: 1873-1252

Record 11 of 83

Title: Effects of electric field and light polarization on the electromagnetically induced transparency in an impurity doped quantum ring

Author(s): Bejan, D (Bejan, D.); Stan, C (Stan, C.); Niculescu, EC (Niculescu, E. C.)

Source: OPTICAL MATERIALS **Volume:** 75 **Pages:** 827-840 **DOI:** 10.1016/j.optmat.2017.11.047 **Published:** JAN 2018

Accession Number: WOS:000423890300110

ISSN: 0925-3467

eISSN: 1873-1252

Record 12 of 83

Title: Small-angle neutron scattering investigations of Co-doped iron oxide nanoparticles. Preliminary results

Author(s): Creanga, D (Creanga, Dorina); Balasoiu, M (Balasoiu, Maria); Soloviov, D (Soloviov, Dmitro); Balasoiu-Gaina, AM (Balasoiu-Gaina, Alexandra-Maria); Puscasu, E (Puscasu, Emil); Lupu, N (Lupu, Nicoleta); Stan, C (Stan, Cristina)

Edited by: Raikher Y; Balasoiu M; Rogachev A; Bunoiu M

Source: 3RD INTERNATIONAL SUMMER SCHOOL AND WORKSHOP "COMPLEX AND MAGNETIC SOFT MATTER SYSTEMS: PHYSICO-MECHANICAL PROPERTIES AND STRUCTURE" **Book Series:** Journal of Physics Conference Series **Volume:** 994 **Article Number:** UNSP 012009 **DOI:** 10.1088/1742-6596/994/1/012009 **Published:** 2018

Accession Number: WOS:000445794100009

ISSN: 1742-6588

eISSN: 1742-6596

Record 13 of 83

Title: MULTIFRACTAL CROSS CORRELATION ANALYSIS BETWEEN AEROSOLS AND METEOROLOGICAL DATA

Author(s): Marin, C (Marin, C.); Stan, C (Stan, C.); Preda, L (Preda, L.); Marmureanu, L (Marmureanu, L.); Belegante, L (Belegante, L.); Cristescu, CP (Cristescu, C. P.)

Source: ROMANIAN JOURNAL OF PHYSICS **Volume:** 63 **Issue:** 5-6 **Article Number:** 805 **Published:** 2018

Accession Number: WOS:000440033800011

ISSN: 1221-146X

Record 14 of 83

Title: STARK SHIFT AND OSCILLATOR STRENGTHS IN A GaAs QUANTUM RING WITH OFF-CENTER DONOR IMPURITY

Author(s): Trusca, C (Trusca, Cristina); Stan, C (Stan, Cristina); Niculescu, EC (Niculescu, Ecaterina C.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 80 **Issue:** 1 **Pages:** 261-270 **Published:** 2018

Accession Number: WOS:000427816900024

ISSN: 1223-7027

Record 15 of 83

Title: Dynamic behavior of a nematic liquid crystal mixed with CoFe₂O₄ ferromagnetic nanoparticles in a magnetic field

Author(s): Petrescu, E (Petrescu, Emil); Cirtoaje, C (Cirtoaje, Cristina); Stan, C (Stan, Cristina)

Source: BEILSTEIN JOURNAL OF NANOTECHNOLOGY **Volume:** 8 **Pages:** 2467-2473 **DOI:** 10.3762/bjnano.8.246 **Published:** NOV 22 2017

Accession Number: WOS:000416166400001

PubMed ID: 29234582

ISSN: 2190-4286

Record 16 of 83

Title: Impurity and eccentricity effects on the nonlinear optical rectification in a quantum ring under lateral electric fields

Author(s): Niculescu, EC (Niculescu, E. C.); Stan, C (Stan, C.); Bejan, D (Bejan, D.); Cartoaje, C (Cartoaje, C.)

Source: JOURNAL OF APPLIED PHYSICS **Volume:** 122 **Issue:** 14 **Article Number:** 144301 **DOI:** 10.1063/1.4999673 **Published:** OCT 14 2017

Accession Number: WOS:000413038500020

ISSN: 0021-8979

eISSN: 1089-7550

Record 17 of 83**Title:** Magnetic-field dependence of the impurity states in a dome-shaped quantum dot**Author(s):** Niculescu, EC (Niculescu, E. C.); Stan, C (Stan, C.); Cristea, M (Cristea, M.); Trusca, C (Trusca, C.)**Source:** CHEMICAL PHYSICS **Volume:** 493 **Pages:** 32-41 **DOI:** 10.1016/j.chemphys.2017.06.004 **Published:** AUG 17 2017**Accession Number:** WOS:000407983600004

ISSN: 0301-0104

eISSN: 1873-4421

Record 18 of 83**Title:** Magnetic field control of absorption coefficient and group index in an impurity doped quantum disc**Author(s):** Niculescu, EC (Niculescu, Ecaterina C.); Stan, C (Stan, Cristina); Tiriba, G (Tiriba, Gabriela); Trusca, C (Trusca, Cristina)**Source:** EUROPEAN PHYSICAL JOURNAL B **Volume:** 90 **Issue:** 5 **Article Number:** 100 **DOI:** 10.1140/epjb/e2017-80138-0 **Published:** MAY 24 2017**Accession Number:** WOS:000402974100004

ISSN: 1434-6028

eISSN: 1434-6036

Record 19 of 83**Title:** Structural analysis of aqueous ferrofluids with cobalt ferrite particles stabilized with lauric acid and sodium n-dodecyl sulphate**Author(s):** Balasoiu-Gaina, AM (Balasoiu-Gaina, A. -M); Balasoiu, M (Balasoiu, M.); Ivankov, O (Ivankov, O.); Soloviov, D (Soloviov, D.); Lysenko, S (Lysenko, S.); Stan, C (Stan, C.); Lupu, N (Lupu, N.); Creanga, D (Creanga, D.); Kuklin, A (Kuklin, A.)**Book Group Author(s):** IOP**Source:** III INTERNATIONAL CONFERENCE ON SMALL ANGLE NEUTRON SCATTERING DEDICATED TO THE 80TH ANNIVERSARY OF YU.M. OSTANEVICH **Book Series:** Journal of Physics Conference Series **Volume:** 848 **Article Number:** UNSP 012026 **DOI:** 10.1088/1742-6596/848/1/012026 **Published:** 2017**Accession Number:** WOS:000432376800025

ISSN: 1742-6588

Record 20 of 83**Title:** MICROSTRUCTURAL CHARACTERIZATION OF CO-DOPED IRON OXIDE NANOPARTICLES**Author(s):** Tiriba, G (Tiriba, Gabriela); Balasoiu, M (Balasoiu, Maria); Puscasu, E (Puscasu, Emil); Sacarescu, L (Sacarescu, Liviu); Stan, C (Stan, Cristina); Creanga, DE (Creanga, Dorina Emilia)**Source:** UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 79 **Issue:** 4 **Pages:** 327-336 **Published:** 2017**Accession Number:** WOS:000419176800029

ISSN: 1223-7027

Record 21 of 83**Title:** Evidence for field induced proximity type behavior in CoFe2O4 based ferromagnetic nanofluid**Author(s):** Sergeenkov, S (Sergeenkov, S.); Stan, C (Stan, C.); Cristescu, CP (Cristescu, C. P.); Balasoiu, M (Balasoiu, M.); Perov, NS (Perov, N. S.); Furtado, C (Furtado, C.)**Source:** PHILOSOPHICAL MAGAZINE LETTERS **Volume:** 97 **Issue:** 7 **Pages:** 287-293 **DOI:** 10.1080/09500839.2017.1343959 **Published:** 2017**Accession Number:** WOS:000404601600005

ISSN: 0950-0839

eISSN: 1362-3036

Record 22 of 83**Title:** Spectral and Quantum - Mechanical Characterizations and Biological Activity of N-(P-nitrobenzoyl)-L-phenylalanine**Author(s):** Rosca, C (Rosca, Catalina); Benchea, AC (Benchea, Andreea Celia); Sunel, V (Sunel, Valeriu); Sutiman, D (Sutiman, Daniel); Dorohoi, DO (Dorohoi, Dana Ortansa); Zelinschi, CB (Zelinschi, Carmen Beatrice); Stan, C (Stan, Cristina); Cheptea, C (Cheptea, Corina)**Source:** REVISTA DE CHIMIE **Volume:** 67 **Issue:** 6 **Pages:** 1062-1067 **Published:** JUN 2016**Accession Number:** WOS:000385510300007

ISSN: 0034-7752

Record 23 of 83**Title:** Ferromagnetic nanoparticles suspensions in twisted nematic**Author(s):** Cirtoaje, C (Cirtoaje, Cristina); Petrescu, E (Petrescu, Emil); Stan, C (Stan, Cristina); Creanga, D (Creanga, Dorina)**Source:** PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES **Volume:** 79 **Pages:** 38-43 **DOI:** 10.1016/j.physe.2015.12.006 **Published:** MAY 2016**Accession Number:** WOS:000370089900006

ISSN: 1386-9477

eISSN: 1873-1759

Record 24 of 83**Title:** Multipole electrodynamic ion trap geometries for microparticle confinement under standard ambient temperature and pressure conditions**Author(s):** Mihalcea, BM (Mihalcea, Bogdan M.); Giurgiu, LC (Giurgiu, Liviu C.); Stan, C (Stan, Cristina); Visan, GT (Visan, Gina T.); Ganciu, M (Ganciu, Mihai); Filinov, V (Filinov, Vladimir); Lapitsky, D (Lapitsky, Dmitry); Deputatova, L (Deputatova, Lidiya); Syrovatka, R (Syrovatka, Roman)**Source:** JOURNAL OF APPLIED PHYSICS **Volume:** 119 **Issue:** 11 **Article Number:** 114303 **DOI:** 10.1063/1.4943933 **Published:** MAR 21 2016**Accession Number:** WOS:000373383300022

ISSN: 0021-8979

eISSN: 1089-7550

Record 25 of 83**Title:** MULTIPOLE TRAPS AS TOOLS IN ENVIRONMENTAL STUDIES**Author(s):** Mihalcea, BM (Mihalcea, Bogdan M.); Stan, C (Stan, Cristina); Giurgiu, LC (Giurgiu, Liviu C.); Groza, A (Groza, Andreea); Surmeian, A (Surmeian, Agavni); Ganciu, M (Ganciu, Mihai); Filinov, V (Filinov, Vladimir); Lapitsky, D (Lapitsky, Dmitry); Deputatova, L (Deputatova, Lidiya); Vasilyak, L (Vasilyak, Leonid); Pecherkin, V (Pecherkin, Vladimir); Vladimirov, V (Vladimirov, Vladimir); Syrovatka, R (Syrovatka, Roman)**Source:** ROMANIAN JOURNAL OF PHYSICS **Volume:** 61 **Issue:** 7-8 **Pages:** 1395-1411 **Published:** 2016**Accession Number:** WOS:000385603700024**ISSN:** 1221-146X

Record 26 of 83**Title:** MULTIFRACTAL ANALYSIS OF CoFe₂O₄/2DBS/H₂O FERROFLUID FROM TEM AND SANS MEASUREMENTS**Author(s):** Stan, C (Stan, Cristina); Balasoiu, M (Balasoiu, Maria); Ivanov, AI (Ivanov, A. I.); Cristescu, CP (Cristescu, C. P.)**Source:** ROMANIAN REPORTS IN PHYSICS **Volume:** 68 **Issue:** 1 **Pages:** 270-277 **Published:** 2016**Accession Number:** WOS:000373247900024**ISSN:** 1221-1451**eISSN:** 1841-8759

Record 27 of 83**Title:** Nanotechnological Application Based on CoFe₂O₄ Nanoparticles and Electromagnetic Exposure on Agrotechnical Plant Growth**Author(s):** Bodale, I (Bodale, I.); Oprisan, M (Oprisan, M.); Stan, C (Stan, C.); Tufescu, F (Tufescu, F.); Racuciu, M (Racuciu, M.); Creanga, D (Creanga, D.); Balasoiu, M (Balasoiu, M.)**Edited by:** Sontea V; Tiginyanu I**Source:** 3RD INTERNATIONAL CONFERENCE ON NANOTECHNOLOGIES AND BIOMEDICAL ENGINEERING **Book Series:** IFMBE Proceedings **Volume:** 55 **Pages:** 153-156 **DOI:** 10.1007/978-981-287-736-9_37 **Published:** 2016**Accession Number:** WOS:000367995500035**ISSN:** 1680-0737**ISBN:** 978-981-287-736-9; 978-981-287-735-2

Record 28 of 83**Title:** Magnetic properties investigation of a ferrofluid with cobalt ferrite nanoparticles using polarized muons**Author(s):** Mamedov, TN (Mamedov, T. N.); Andrievskii, DS (Andrievskii, D. S.); Balasoiu, M (Balasoiu, M.); Gritsaj, KI (Gritsaj, K. I.); Duginov, VN (Duginov, V. N.); Gbtalov, AL (Gbtalov, A. L.); Komarov, EN (Komarov, E. N.); Kotov, SA (Kotov, S. A.); Moroslip, AE (Moroslip, A. E.); Pavlova, II (Pavlova, I. I.); Scherbakov, VG (Scherbakov, V. G.); Vorob'ev, SI (Vorob'ev, S. I.); Stan, C (Stan, C.)**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 17 **Issue:** 7-8 **Pages:** 1086-1091 **Published:** JUL-AUG 2015**Accession Number:** WOS:000359967600029**ISSN:** 1454-4164**eISSN:** 1841-7132

Record 29 of 83**Title:** PREPARATION OF SOFT MAGNETIC MATERIALS AND CHARACTERIZATION WITH INVESTIGATION METHODS FOR FLUID SAMPLES**Author(s):** Nadejde, C (Nadejde, Claudia); Puscasu, E (Puscasu, Emil); Brinza, F (Brinza, Florin); Ursu, L (Ursu, Laura); Creanga, D (Creanga, Dorina); Stan, C (Stan, Cristina)**Source:** UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 77 **Issue:** 2 **Pages:** 277-284 **Published:** 2015**Accession Number:** WOS:000355574100027**ISSN:** 1223-7027

Record 30 of 83**Title:** Nonlinear analysis of saccade speed fluctuations during combined action and perception tasks**Author(s):** Stan, C (Stan, C.); Astefanoaei, C (Astefanoaei, C.); Pretegianni, E (Pretegianni, E.); Optican, L (Optican, L.); Creanga, D (Creanga, D.); Rufa, A (Rufa, A.); Cristescu, CP (Cristescu, C. P.)**Source:** JOURNAL OF NEUROSCIENCE METHODS **Volume:** 232 **Pages:** 102-109 **DOI:** 10.1016/j.jneumeth.2014.05.010 **Published:** JUL 30 2014**Accession Number:** WOS:000339144300013**PubMed ID:** 24854830**ISSN:** 0165-0270**eISSN:** 1872-678X

Record 31 of 83**Title:** The effect of Gaussian white noise on the fractality of fluctuations in the plasma of a symmetrical discharge**Author(s):** Stan, C (Stan, Cristina); Cristescu, CM (Cristescu, Cristina Maria); Alexandroaei, D (Alexandroaei, D.); Cristescu, CP (Cristescu, C. P.)**Source:** CHAOS SOLITONS & FRACTALS **Volume:** 61 **Pages:** 46-55 **DOI:** 10.1016/j.chaos.2014.02.009 **Published:** APR 2014**Accession Number:** WOS:000335282400008**ISSN:** 0960-0779**eISSN:** 1873-2887

Record 32 of 83

Title: COMPUTATION OF HURST EXPONENT OF TIME SERIES USING DELAYED (LOG-) RETURNS. APPLICATION TO ESTIMATING THE FINANCIAL VOLATILITY

Author(s): Stan, C (Stan, Cristina); Cristescu, CM (Cristescu, Cristina-Maria); Cristescu, CP (Cristescu, Constantin P.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 76 **Issue:** 3 **Pages:** 235-244 **Published:** 2014

Accession Number: WOS:000340335100021

ISSN: 1223-7027

Record 33 of 83

Title: THE MAGNITUDE COHERENCE FUNCTION OF ROL/USD-ROL/EUR EXCHANGE RATES

Author(s): Scarlat, EI (Scarlat, Eugen I.); Cristescu, CM (Cristescu, Cristina M.); Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 76 **Issue:** 1 **Pages:** 247-254 **Published:** 2014

Accession Number: WOS:000332914700026

ISSN: 1223-7027

Record 34 of 83

Title: Investigation on series of length of coding and non-coding DNA sequences of bacteria using multifractal detrended cross-correlation analysis

Author(s): Stan, C (Stan, Cristina); Cristescu, MT (Cristescu, Monica Teodora); Iarinca, LB (Iarinca, Luiza Buimaga); Cristescu, CP (Cristescu, C. P.)

Source: JOURNAL OF THEORETICAL BIOLOGY **Volume:** 321 **Pages:** 54-62 **DOI:** 10.1016/j.jtbi.2012.12.027 **Published:** MAR 21 2013

Accession Number: WOS:000320216000007

PubMed ID: 23313335

ISSN: 0022-5193

eISSN: 1095-8541

Record 35 of 83

Title: Parameter motivated mutual correlation analysis: Application to the study of currency exchange rates based on intermittency parameter and Hurst exponent

Author(s): Cristescu, CP (Cristescu, Constantin P.); Stan, C (Stan, Cristina); Scarlat, EI (Scarlat, Eugen I.); Minea, T (Minea, Teofil); Cristescu, CM (Cristescu, Cristina M.)

Source: PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 391 **Issue:** 8 **Pages:** 2623-2635 **DOI:** 10.1016/j.physa.2011.12.006 **Published:** APR 15 2012

Accession Number: WOS:000301209400012

ISSN: 0378-4371

eISSN: 1873-2119

Record 36 of 83

Title: NEW DERIVATIVES OF 5-NITROINDAZOLE WITH POTENTIAL ANTITUMOR ACTIVITY

Author(s): Cheptea, C (Cheptea, Corina); Sunel, V (Sunel, Valeriu); Stan, C (Stan, Cristina); Dorohoi, DO (Dorohoi, Dana Ortansa)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 57 **Issue:** 3 **Pages:** 229-234 **Published:** MAR 2012

Accession Number: WOS:000310929700010

ISSN: 0035-3930

Record 37 of 83

Title: USING CHAOS GAME REPRESENTATION FOR SIMILARITY STUDIES ON ALBUMIN AMINO ACIDS SEQUENCES

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Neacsu, DA (Neacsu, Dana Andreea)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 57 **Issue:** 1 **Pages:** 45-48 **Published:** JAN 2012

Accession Number: WOS:000306640600007

ISSN: 0035-3930

Record 38 of 83

Title: STRUCTURE FUNCTIONS AND MULTIFRACTAL DETRENDED FLUCTUATION ANALYSIS APPLIED TO THE CODING SEQUENCES: CASE STUDY - ESCHERICHIA COLI

Author(s): Stan, C (Stan, Cristina); Minea, T (Minea, Teofil); Cristescu, TM (Cristescu, Teodora-Maria); Buimaga-Iarinca, L (Buimaga-Iarinca, Luiza); Cristescu, CP (Cristescu, Constantin P.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 74 **Issue:** 1 **Pages:** 109-114 **Published:** 2012

Accession Number: WOS:000301475600010

ISSN: 1223-7027

Record 39 of 83

Title: INVESTIGATIONS OF A Fe₃O₄-FERROFLUID AT DIFFERENT TEMPERATURES BY MEANS OF MAGNETIC MEASUREMENTS

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Balasoiu, M (Balasoiu, Maria); Perov, N (Perov, N.); Duginov, VN (Duginov, V. N.); Mamedov, TN (Mamedov, T. N.); Fetisov, L (Fetisov, L.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 73 **Issue:** 3 **Pages:** 117-124 **Published:** 2011

Accession Number: WOS:000294238100010

ISSN: 1223-7027

Record 40 of 83

Title: MULTIFRACTAL ANALYSIS OF INTERMITTENCY IN A DISCHARGE PLASMA

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Dimitriu, DG (Dimitriu, D. G.)

Source: ROMANIAN JOURNAL OF PHYSICS **Volume:** 56 **Pages:** 79-82 **Supplement:** S **Published:** 2011

Accession Number: WOS:000295495500012

ISSN: 1221-146X

Record 41 of 83

Title: Similarity analysis for DNA sequences based on chaos game representation Case study The albumin

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Scarlat, EI (Scarlat, Eugen I.)

Source: JOURNAL OF THEORETICAL BIOLOGY **Volume:** 267 **Issue:** 4 **Pages:** 513-518 **DOI:** 10.1016/j.jtbi.2010.09.027 **Published:** DEC 21 2010

Accession Number: WOS:000284513700005

PubMed ID: 20869369

ISSN: 0022-5193

eISSN: 1095-8541

Record 42 of 83

Title: Spectral Investigations of the Influence of the Hydroxyl Solvents on the Intermolecular Interactions in Some Pyridinium Ylid Ternary Solutions

Author(s): Dulcescu, MM (Dulcescu, Mihaela-Maria); Stan, C (Stan, Cristina); Dorohoi, DO (Dorohoi, Dana-Ortansa)

Source: REVISTA DE CHIMIE **Volume:** 61 **Issue:** 12 **Pages:** 1219-1222 **Published:** DEC 2010

Accession Number: WOS:000288339300017

ISSN: 0034-7752

Record 43 of 83

Title: SPECTRAL STUDY OF INTERMOLECULAR INTERACTIONS IN WATER-ETHANOL SOLUTIONS OF SOME CARBANION DISUBSTITUTED PYRIDINIUM YLIDS

Author(s): Dulcescu, M (Dulcescu, Mihaela); Stan, C (Stan, Cristina); Dorohoi, DO (Dorohoi, Dana Ortansa)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 55 **Issue:** 7 **Pages:** 403-408 **Published:** JUL 2010

Accession Number: WOS:000287463200008

ISSN: 0035-3930

Record 44 of 83

Title: Analysis of the intermittent behavior in a low-temperature discharge plasma by recurrence plot quantification

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Dimitriu, DG (Dimitriu, D. G.)

Source: PHYSICS OF PLASMAS **Volume:** 17 **Issue:** 4 **Article Number:** 042115 **DOI:** 10.1063/1.3385796 **Published:** APR 2010

Accession Number: WOS:000277243000016

ISSN: 1070-664X

Record 45 of 83

Title: MODELING WITH THE CHAOS GAME (II). A CRITERION TO DEFINE THE RELEVANT TRANSITION PERIODS IN ROMANIA

Author(s): Scarlat, EI (Scarlat, Eugen I.); Cristescu, CP (Cristescu, Constantin P.); Stan, C (Stan, Cristina); Mihailescu, M (Mihailescu, Mona)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 72 **Issue:** 1 **Pages:** 45-52 **Published:** 2010

Accession Number: WOS:000275788700006

ISSN: 1223-7027

Record 46 of 83

Title: The dynamics of exchange rate time series and the chaos game

Author(s): Cristescu, CP (Cristescu, C. P.); Stan, C (Stan, C.); Scarlat, EI (Scarlat, E. I.)

Source: PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 388 **Issue:** 23 **Pages:** 4845-4855 **DOI:** 10.1016/j.physa.2009.08.005 **Published:** DEC 1 2009

Accession Number: WOS:000270618600006

ISSN: 0378-4371

eISSN: 1873-2119

Record 47 of 83

Title: Stochastic resonance and vibrational resonance in an excitable system: The golden mean barrier

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Alexandroaei, D (Alexandroaei, D.); Agop, M (Agop, M.)

Source: CHAOS SOLITONS & FRACTALS **Volume:** 41 **Issue:** 2 **Pages:** 727-734 **DOI:** 10.1016/j.chaos.2008.03.004 **Published:** JUL 30 2009

Accession Number: WOS:000267379700020

ISSN: 0960-0779

eISSN: 1873-2887

Record 48 of 83

Title: Feigenbaum scenario in the dynamics of a metal-oxide semiconductor heterostructure under harmonic perturbation. Golden mean criticality

Author(s): Cristescu, CP (Cristescu, C. P.); Mereu, B (Mereu, B.); Stan, C (Stan, Cristina); Agop, M (Agop, M.)

Source: CHAOS SOLITONS & FRACTALS **Volume:** 40 **Issue:** 2 **Pages:** 975-980 **DOI:** 10.1016/j.chaos.2007.08.054 **Published:** APR 30 2009

Accession Number: WOS:000266672200048

ISSN: 0960-0779

eISSN: 1873-2887

Record 49 of 83

Title: NOISE INDUCED CHANGE IN THE DYNAMICS OF ANODIC DOUBLE LAYERS

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Chiriac, S (Chiriac, S.); Dimitriu, DG (Dimitriu, D. G.)

Source: ROMANIAN JOURNAL OF PHYSICS **Volume:** 54 **Issue:** 7-8 **Pages:** 699-704 **Published:** 2009

Accession Number: WOS:000270604000012

ISSN: 1221-146X

Record 50 of 83

Title: MODELING WITH THE CHAOS GAME (I). SIMULATING SOME FEATURES OF REAL TIME SERIES

Author(s): Cristescu, CP (Cristescu, Constantin P.); Stan, C (Stan, Cristina); Scarlat, EI (Scarlat, Eugen I.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 71 **Issue:** 4 **Pages:** 95-100 **Published:** 2009

Accession Number: WOS:000272392500012

ISSN: 1223-7027

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Page 1 (Records 1 -- 50)

◀ [1 | 2] ▶

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**Record 51 of 83****Title:** COHERENCE RESONANCE IN EXCITABLE SYSTEMS: ACTIVATOR-INHIBITOR DYNAMICS**Author(s):** Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Alexandroaei, D (Alexandroaei, Dumitru)**Source:** REVUE ROUMAINE DE CHIMIE **Volume:** 53 **Issue:** 9 **Pages:** 869-+ **Published:** SEP 2008**Accession Number:** WOS:000266215200019**ISSN:** 0035-3930**Record 52 of 83****Title:** Order-to-disorder transitions in the dynamics of a biharmonically-perturbed plasma double layer**Author(s):** Alexandroaei, D (Alexandroaei, D.); Stan, C (Stan, C.); Cristescu, CP (Cristescu, C. P.)**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 10 **Issue:** 8 **Pages:** 1954-1957 **Published:** AUG 2008**Accession Number:** WOS:000257962500012**ISSN:** 1454-4164**eISSN:** 1841-7132**Record 53 of 83****Title:** CHAOS AND HYPERCHAOS IN A SYMMETRICAL DISCHARGE PLASMA: EXPERIMENT AND MODELLING**Author(s):** Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Alexandroaei, D (Alexandroaei, Dumitru)**Source:** UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 70 **Issue:** 4 **Pages:** 25-30 **Published:** 2008**Accession Number:** WOS:000262993700005**ISSN:** 1223-7027**Record 54 of 83****Title:** CHAOTIC DYNAMICS IN ECONOPHYSICS: MODELING THE MARKET FORCES**Author(s):** Scarlat, EI (Scarlat, Eugen I.); Cristescu, CP (Cristescu, Constantin P.); Stan, C (Stan, Cristina); Preda, L (Preda, Liliana); Preda, AM (Preda, Alexandru M.); Mihailescu, M (Mihailescu, Mona)**Source:** UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 70 **Issue:** 4 **Pages:** 89-96 **Published:** 2008**Accession Number:** WOS:000262993700013**ISSN:** 1223-7027**Record 55 of 83****Title:** A frequency-domain analysis of the order-to-disorder transitions of a perturbed double layer dynamics**Author(s):** Alexandroaei, D (Alexandroaei, D.); Stan, C (Stan, C.); Cristescu, CP (Cristescu, C. P.); Lupascu, A (Lupascu, A.)**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 9 **Issue:** 9 **Pages:** 2960-2962 **Published:** SEP 2007**Accession Number:** WOS:000249903600055**ISSN:** 1454-4164**eISSN:** 1841-7132**Record 56 of 83****Title:** Chaotic features in Romanian transition economy as reflected onto the currency exchange rate**Author(s):** Scarlat, EI (Scarlat, E. I.); Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.)**Source:** CHAOS SOLITONS & FRACTALS **Volume:** 33 **Issue:** 2 **Pages:** 396-404 **DOI:** 10.1016/j.chaos.2006.01.009 **Published:** JUL 2007**Accession Number:** WOS:000246057800008**ISSN:** 0960-0779**Record 57 of 83****Title:** Self-similar characteristics of the currency exchange rate in an economy in transition**Author(s):** Scarlat, EI (Scarlat, E. I.); Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.)**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 379 **Issue:** 1 **Pages:** 188-198 **DOI:** 10.1016/j.physa.2006.12.040 **Published:** JUN 1 2007**Accession Number:** WOS:000245960700017**ISSN:** 0378-4371**eISSN:** 1873-2119**Record 58 of 83****Title:** Fractal space-time theory and some applications in advanced materials**Author(s):** Agop, M (Agop, Maricel); Stan, C (Stan, Constantin); Toma, M (Toma, Mihai); Rusu, L (Rusu, Loana)**Source:** PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE **Volume:** 8 **Issue:** 2 **Pages:** 121-129 **Published:** MAY-AUG 2007**Accession Number:** WOS:000255027200006**ISSN:** 1454-9069**Record 59 of 83****Title:** Golden mean relevance for chaos inhibition in a system of two coupled modified van der Pol oscillators

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Agop, M (Agop, M.)

Source: CHAOS SOLITONS & FRACTALS **Volume:** 31 **Issue:** 4 **Pages:** 1035-1040 **DOI:** 10.1016/j.chaos.2006.04.056 **Published:** FEB 2007

Accession Number: WOS:000241067900027

ISSN: 0960-0779

eISSN: 1873-2887

Record 60 of 83

Title: SYNCHRONIZATION AND CONTROL IN THE DYNAMICS OF DOUBLE LAYER CHARGE STRUCTURES. AUTONOMOUS STOCHASTIC RESONANCE

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, Constantin P.); Alexandroaei, D (Alexandroaei, Dumitru)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 69 **Issue:** 3 **Pages:** 17-24 **Published:** 2007

Accession Number: WOS:000409859400002

ISSN: 1223-7027

Record 61 of 83

Title: MULTIFRACTAL ANALYSIS OF THE DYNAMICS OF THE ROMANIAN EXCHANGE RATE ROL-USD DURING THE TRANSITION PERIOD

Author(s): Cristescu, CP (Cristescu, Constantin P.); Stan, C (Stan, Cristina); Scarlat, EI (Scarlat, Eugen I.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 69 **Issue:** 3 **Pages:** 37-44 **Published:** 2007

Accession Number: WOS:000409859400004

ISSN: 1223-7027

Record 62 of 83

Title: ECONOPHYSICS APPROACH TO THE DYNAMICS OF THE ROMANIAN EXCHANGE RATE ROL-USD

Author(s): Scarlat, EI (Scarlat, E. I.); Cristescu, CP (Cristescu, C. P.); Stan, C (Stan, Cristina); Preda, A (Preda, A.); Mihailescu, M (Mihailescu, Mona); Preda, L (Preda, Liliana)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 69 **Issue:** 1 **Pages:** 43-52 **Published:** 2007

Accession Number: WOS:000409839100005

ISSN: 1223-7027

Record 63 of 83

Title: Temporal phase synchronization in a double electrical discharge plasma

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Alexandroaei, D (Alexandroaei, D)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 8 **Issue:** 1 **Pages:** 152-155 **Published:** FEB 2006

Accession Number: WOS:000236107300034

ISSN: 1454-4164

eISSN: 1841-7132

Record 64 of 83

Title: Effect of gramicidin S on the dipalmitoylphosphatidyl-glycerol thermotropic phase transition in DPPG/GS systems: A mathematical approach

Author(s): Stan, C (Stan, Cristina); Cristescu, CP (Cristescu, C. P.); Severcan, F (Severcan, Feride); Dorohoi, D (Dorohoi, Dana)

Source: MOLECULAR CRYSTALS AND LIQUID CRYSTALS **Volume:** 457 **Pages:** 27-41 **DOI:** 10.1080/15421400500447116 **Published:** 2006

Accession Number: WOS:000241847600002

ISSN: 1542-1406

Record 65 of 83

Title: COLOURED CHAOS IN THE ROL-USD EXCHANGE RATE VIA TIME-FREQUENCY ANALYSIS

Author(s): Scarlat, EI (Scarlat, E. I.); Cristescu, CP (Cristescu, C. P.); Stan, C (Stan, Cristina); Preda, AM (Preda, A. M.); Preda, L (Preda, Liliana); Mihailescu, M (Mihailescu, Mona)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS **Volume:** 68 **Issue:** 1 **Pages:** 49-62 **Published:** 2006

Accession Number: WOS:000409825100005

ISSN: 1223-7027

Record 66 of 83

Title: Computational approach of optoelectronic transduction in the compound eye

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Creanga, D (Creanga, D)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 7 **Issue:** 6 **Pages:** 2901-2905 **Published:** DEC 2005

Accession Number: WOS:000234027300020

ISSN: 1454-4164

eISSN: 1841-7132

Record 67 of 83

Title: New investigations on the dynamics of externally perturbed states of a chaotic discharge-plasma double layer

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Alexandroaei, D (Alexandroaei, D)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 7 **Issue:** 5 **Pages:** 2451-2454 **Published:** OCT 2005

Accession Number: WOS:000232894100032

ISSN: 1454-4164

eISSN: 1841-7132

Record 68 of 83

Title: Investigations on the dynamics of a metal-ferroelectric-semiconductor heterostructure

Author(s): Mereu, B (Mereu, B); Alexe, M (Alexe, M); Diestelhorst, M (Diestelhorst, M); Cristescu, CP (Cristescu, CP); Stan, C (Stan, C)

Source: JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 7 **Issue:** 2 **Pages:** 691-695 **Published:** APR 2005

Accession Number: WOS:000228785700017

ISSN: 1454-4164

Record 69 of 83

Title: Rotational energy levels and symmetry selection rules for H₂S asymmetric rigid top

Author(s): Dorohoi, DO (Dorohoi, DO); Amarandei, G (Amarandei, G); Stan, C (Stan, C)

Source: REVISTA DE CHIMIE **Volume:** 55 **Issue:** 12 **Pages:** 986-988 **Published:** DEC 2004

Accession Number: WOS:000226311800014

ISSN: 0034-7752

Record 70 of 83

Title: The influence of gramicidin S on the thermotropic phase transition of dipalmitoylphosphatidylglycerol DPPG/GS systems: Experiment and computer model

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Severcan, F (Severcan, F); Dorohoi, D (Dorohoi, D)

Source: REVUE ROUMAINE DE CHIMIE **Volume:** 49 **Issue:** 9 **Pages:** 777-782 **Published:** SEP 2004

Accession Number: WOS:000226821000007

ISSN: 0035-3930

Record 71 of 83

Title: Dynamic control by sinusoidal perturbation and by Gaussian noise of a system of two nonlinear oscillators: Computation and experimental results

Author(s): Cristescu, CP (Cristescu, CP); Stan, C (Stan, C); Alexandroaei, D (Alexandroaei, D)

Source: PHYSICAL REVIEW E **Volume:** 70 **Issue:** 1 **Article Number:** 016613 **DOI:** 10.1103/PhysRevE.70.016613 **Part:** 2 **Published:** JUL 2004

Accession Number: WOS:000223135800086

PubMed ID: 15324195

ISSN: 1539-3755

eISSN: 1550-2376

Record 72 of 83

Title: Fractal dimension of some tecto-dendrimers

Author(s): Creanga, D (Creanga, D); Stan, C (Stan, C); Petrescu, E (Petrescu, E)

Source: REVISTA DE CHIMIE **Volume:** 55 **Issue:** 5 **Pages:** 324-325 **Published:** MAY 2004

Accession Number: WOS:000222576200011

ISSN: 0034-7752

Record 73 of 83

Title: Dynamics of the plasma of a twin discharge system induced by external perturbations

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Alexandroaei, D (Alexandroaei, D)

Source: CZECHOSLOVAK JOURNAL OF PHYSICS **Volume:** 54 **Pages:** C648-C653 **DOI:** 10.1007/BF03166465 **Part:** 4 **Published:** 2004

Accession Number: WOS:000226745500026

ISSN: 0011-4626

Record 74 of 83

Title: Control of chaos by random noise in a system of two coupled perturbed van der Pol oscillators modeling an electrical discharge plasma

Author(s): Cristescu, CP (Cristescu, CP); Stan, C (Stan, C); Alexandroaei, D (Alexandroaei, D)

Source: PHYSICAL REVIEW E **Volume:** 66 **Issue:** 1 **Article Number:** 016602 **DOI:** 10.1103/PhysRevE.66.016602 **Part:** 2 **Published:** JUL 2002

Accession Number: WOS:000177200600089

PubMed ID: 12241495

ISSN: 1539-3755

eISSN: 1550-2376

Record 75 of 83

Title: Modelling of the temporal behaviour of the inter-anode current in a system of two coupled electrical discharges

Author(s): Stan, C (Stan, C); Cristescu, CP (Cristescu, CP); Alexandroaei, D (Alexandroaei, D)

Source: CONTRIBUTIONS TO PLASMA PHYSICS **Volume:** 42 **Issue:** 1 **Pages:** 81-89 **DOI:** 10.1002/1521-3986(200201)42:1<81::AID-CTPP81>3.0.CO;2-7 **Published:** 2002

Accession Number: WOS:000173619200009

ISSN: 0863-1042

Record 76 of 83

Title: Evidence of non linear dynamics in forestry ecosystems

Author(s): Creanga, IA (Creanga, IA); Creanga, DE (Creanga, DE); Stan, C (Stan, C); Grosu, I (Grosu, I); Bara, LI (Bara, LI)

Edited by: Filip FG; Dumitrache I; Iliescu SS

Source: LARGE SCALE SYSTEMS: THEORY AND APPLICATIONS 2001 (LSS'01) **Book Series:** IFAC SYMPOSIA SERIES **Pages:** 325-332 **Published:** 2001

Accession Number: WOS:000180832900051

ISSN: 0962-9505

ISBN: 0-08-043691-9

Record 77 of 83**Title:** New insights into the formation of nonlinear space charge structures in various plasmas**Author(s):** Schrittwieser, R (Schrittwieser, R); Avram, C (Avram, C); Balan, PC (Balan, PC); Pohoata, V (Pohoata, V); Stan, C (Stan, C); Sanduloviciu, M (Sanduloviciu, M)**Source:** PHYSICA SCRIPTA **Volume:** T84 **Pages:** 122-127 **DOI:** 10.1238/Physica.Topical.084a00122 **Published:** 2000**Accession Number:** WOS:000086560100028

ISSN: 0031-8949

Record 78 of 83**Title:** Inverted hysteresis and intermittence in the current-voltage characteristic of an anode fireball**Author(s):** Avram, C (Avram, C); Balan, PC (Balan, PC); Sanduloviciu, M (Sanduloviciu, M); Schrittwieser, R (Schrittwieser, R); Stan, C (Stan, C)**Edited by:** Pisarczyk P; Pisarczyk T; Wolowski J**Source:** INTERNATIONAL CONFERENCE ON PHENOMENA IN IONIZED GAS, VOL I, PROCEEDINGS **Pages:** 11-12 **Published:** 1999**Accession Number:** WOS:000165992000006**Record 79 of 83****Title:** Gravity and Cantorian space-time**Author(s):** Agop, M (Agop, M); Griga, V (Griga, V); Ciobanu, B (Ciobanu, B); Ciubotariu, C (Ciubotariu, C); Buzea, CG (Buzea, CG); Stan, C (Stan, C); Buzea, C (Buzea, C)**Source:** CHAOS SOLITONS & FRACTALS **Volume:** 9 **Issue:** 7 **Pages:** 1143-1181 **DOI:** 10.1016/S0960-0779(98)80005-2 **Published:** JUL 1998**Accession Number:** WOS:000075504300013

ISSN: 0960-0779

eISSN: 1873-2887

Record 80 of 83**Title:** Gravitomagnetic field, spontaneous symmetry breaking and a periodical property of space**Author(s):** Agop, M (Agop, M); Ciobanu, B (Ciobanu, B); Buzea, CG (Buzea, CG); Rezlescu, N (Rezlescu, N); Horgos, T (Horgos, T); Stan, C (Stan, C)**Source:** NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-BASIC TOPICS IN PHYSICS **Volume:** 113 **Issue:** 1 **Pages:** 17-23 **Published:** JAN 1998**Accession Number:** WOS:000072390100002

ISSN: 2037-4895

eISSN: 1594-9982

Record 81 of 83**Title:** Some quantitative aspects concerning bioelectrogenesis in Drosophila melanogaster eye**Author(s):** Creanga, DE (Creanga, DE); Stan, C (Stan, C); Isac, M (Isac, M); Isac, RM (Isac, RM)**Source:** PHYSICA MEDICA **Volume:** 13 **Pages:** 265-266 **Supplement:** 1 **Published:** DEC 1997**Accession Number:** WOS:000074057200074

ISSN: 1120-1797

Record 82 of 83**Title:** The uncertainty relation for an assembly of Planck-type oscillators. A possible GR-quantum mechanics connection**Author(s):** Agop, M (Agop, M); Griga, V (Griga, V); Ciobanu, B (Ciobanu, B); Buzea, C (Buzea, C); Stan, C (Stan, C); Tatomir, D (Tatomir, D); Buzea, CG (Buzea, CG)**Source:** CHAOS SOLITONS & FRACTALS **Volume:** 8 **Issue:** 5 **Pages:** 809-821 **DOI:** 10.1016/S0960-0779(96)00101-4 **Published:** MAY 1997**Accession Number:** WOS:A1997XE52700011

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Record 83 of 83**Title:** Gravitational paramagnetism, diamagnetism and gravitational superconductivity**Author(s):** Agop, M (Agop, M); Buzea, CG (Buzea, CG); Griga, V (Griga, V); Ciubotariu, C (Ciubotariu, C); Buzea, C (Buzea, C); Stan, C (Stan, C); Jatomir, D (Jatomir, D)**Source:** AUSTRALIAN JOURNAL OF PHYSICS **Volume:** 49 **Issue:** 6 **Pages:** 1063-1073 **DOI:** 10.1071/PH961063 **Published:** 1996**Accession Number:** WOS:A1996VM51800001

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Page 2 (Records 51 -- 83)

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◀ [1 | 2] ▶

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