

Fisa de verificare A1:

1.1 Carti si capitole in carti de specialitate

1.1.1 .1

Capitole de carte (internaționale) -punctaj 0.4:

(26 de pagini cumulate din lucrări publicate în Proceedings –Web of Knowledge-având cel puțin 4 pagini per lucrare):

1. I.G. Deac, Stirling cooler for for non-CFC applications, *RESEARCH, DESIGN AND CONSTRUCTION OF REFRIGERATION AND AIR CONDITIONING EQUIPMENTS IN EASTERN EUROPEAN COUNTRIES* **Book Series: REFRIGERATION SCIENCE AND TECHNOLOGY, Pages: 221-225, Published: 1996, Publisher: INT INST REFRIGERATION, 177 BLVD MALESHERBES, F-75017 PARIS, FRANCE ISSN: 0151-1637 (5 pagini)**
2. I.G. Deac, D. Iuga, R. Zapotinschi, Measurements of the thermal properties of some common cryostat materials, at low temperatures *RESEARCH, DESIGN AND CONSTRUCTION OF REFRIGERATION AND AIR CONDITIONING EQUIPMENTS IN EASTERN EUROPEAN COUNTRIES*, **Book Series: REFRIGERATION SCIENCE AND TECHNOLOGY, Pages: 248-251, Published: 1996, Publisher: INT INST REFRIGERATION, 177 BLVD MALESHERBES, F-75017 PARIS, FRANCE ISSN: 0151-1637(4 pagini).**
3. I.G. Deac, R. Tetean, I. Balasz, D. Andreica, A. Vladescu, R. Dudric, A. Tunyagi, E. Burzo , Magnetic transitions in the perovskites $\text{Pr}_{1-x}\text{Sr}_x\text{CoO}_3$, *Proc. of INTERNATIONAL CONFERENCE ON MAGNETISM (ICM 2009)* **Book Series: Journal of Physics Conference Series Volume: 200 Article Number: 052003 DOI: 10.1088/1742-6596/200/5/052003 Published: 2010, ISSN: 1742-6588 Publisher: IOP PUBLISHING LTD, DIRAC HOUSE, TEMPLE BACK, BRISTOL BS1 6BE, ENGLAND (4 pagini)**
4. I.G. Deac, R. Tetean, E. Burzo , Phase separation in transition metal oxides $\text{Ln}_{2/3}\text{A}_{1/3}\text{MO}_3$, Ln = La, Pr; A = Ca, Sr and M = Mn, Co, *Proc. of 5th International Conference on New Research Trends in Materials Science* **Location: Sibiu, ROMANIA Date: SEP, 2007 JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 10 Issue: 4 Pages: 853-856 Published: APR 2008, ISSN: 1454-4164 (4 pagini).**
5. I.G. Deac, R. Tetean and E. Burzo , Spin dynamics in the transition metal oxides $\text{La}_{2/3}\text{A}_{1/3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$, A = Ca, Sr ($0.5 \leq x \leq 1$) *Proc. of 7th International Balkan Workshop on Applied Physics* **Location: Constanta, ROMANIA Date: JUL 05-07, 2006, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 4 Pages: 1108-1112 Published: APR 2007 ISSN: 1454-4164 (5 pagini).**

6. S.Simon, I.G. Deac, M. Coldea, Magnetic clusters development in $(100 - x)[4\text{Bi}_2\text{O}_3 \cdot \text{PbO}] x\text{Gd}_2\text{O}_3$ glasses, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Proc. of International Conference on Advanced Spectroscopies on Biomedical and Nanostructured Systems Location:Cluj Napoca, ROMANIA Date: SEP 03-06, 2006 Sponsor(s): Babes Bolyai Univ, Fac Phys; Inst Interdisciplinary Expt Res JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 3 Special Issue: SI Pages: 583-586 Published: MAR 2007(4 pagini).

Total: 26 pagini

A 1112 nationale

2 carti+capitol (punctaj) 0.6:

1. I.G. Deac, „Elemente de criogenie” Ed. NapocaStar, 201, ISBN 978-973-647-715-7, 243p
2. I.G. Deac, "Temperaturi ultrajoase în fizica experimentală a solidului", Ed. NapocaStar, 2003, ISBN 973-647-125-x, 222p

Capitole de carte (naționale)

(41 de pagini cumulate din lucrări publicate în Proceedings –neindexate în Web of Science sau Scopus-având cel puțin 4 pagini per lucrare):

1. **Deac I.Gr.**, Lazanu G."Stirling Refrigeration for non CFC Application" , *Proc.of the "Applications for Natural Refrigerants'96"* Aarhus, Denmark,(1996) International Institute of Refrigeration Commissions B1, B2, E1 & E2, p.143-152, ISSN 0151 1637 (10 pagini).
2. **Deac I.Gr.**, Iuga D.,Zapotinschi R.,” Heat Pulse Measurement of Thermal Properties of Some Cryostat Materials” *Proc.of the Cryogenics'96*, Prague(1996), p.217-220, ISSN 1211-3611; Ed. ICARIS. (4 pagini)
3. **Deac I.Gr.**,” Miniature Pulse Tube Refrigerator” in *Proc.of the Cryogenics'96*, Prague(1996), p.209-212; ISSN 1211-3611; Ed. ICARIS (4 pagini).
4. **Deac I.G.**, Burzo E, Pop V. Tetean R "Structural, electrical and magnetic properties of $(\text{Y}_{1-y}\text{Ca}_y)\text{Ba}_2\text{Cu}_{3-x}\text{Ni}_x\text{O}_{7-\delta}$ compounds" in *Ceramics*, pp.241-246, Müller, G. (ed.), ISBN 3-

527-30194-1 Wiley-VCH, Weinheim, 2000 (**Euromat'99**, 27-30 September 1999, Munich) (6 pagini).

5. Tetean R., Pop V., Burzo E., **Deac I. Gr.** "Magnetic properties of $Y_3Fe_{29-x}M_x$ compounds, where $M = Si$ or Al " in *Intermetallics and Superalloys*) pp204, ISBN 3-527-30192-5 Wiley-VCH, Weinheim,2000, (**Euromat'99**, 27-30 September 1999, Munich) (5 pagini).
6. Pop V., Burzo E.,Tetean R., **Deac I.Gr.** "Magnetic Behaviour of $Y_2Co_{7-x}M_x$ "Intermetallic Compounds with $M = Si$ or Cu and $x = 1$ or 2 " in *Intermetallics and Superalloys*) pp. 200-203, ISBN 3-527-30192-5 Wiley-VCH, Weinheim,2000, (**Euromat'99**, 27-30 September 1999, Munich) (4 pagini).
7. **Deac I.G**, Pop, I., Burda I., Pop V., "Structural, magnetic and superconducting properties of the R-(ZrCa)-Ba-Cu-O compounds" **Proc. Balkan Physics Letters 5**, pp. 716-719, (1997) ISSN:1301-8329, Conferinta BPU 3, Cluj-Napoca, Romania. (4 pagini).
8. Ardelean I., **Deac I.G.**, Pop V., Stanca I., Tisan A., Borodi Gh."Structural, magnetic and superconducting properties of the $YBa_2(Cu_{1-x}As_x)O_{7-\delta}$ compounds" **Proc. Balkan Physics Letters 5**, pp.63-1634 (1997) ISSN:1301-8329, Conferinta BPU 3, Cluj-Napoca, Romania. (4 pagini).

1.2 Material didactic/Lucrări didactice (punctaj):

1.2.1 Manuale didactice (în format electronic) : **1.0 p**

<http://www.phys.ubbcluj.ro/~iosif.deac/courses.html>

1. Fizica corpului solid
2. Tehnologii criogenice
3. Fenomene de transport in solid (Transport phenomena in solids)
4. Complemente de fizica solidului (Advanced solid state physics)
5. Oscilatii si unde

1.2.2 Indrumatoare de laborator/ material didactic (punctaj) : **0.4:**

<http://www.phys.ubbcluj.ro/~iosif.deac/courses.html>

1. I. G. Deac, Ghid de laborator pentru cursul de "Tehnologii criogenice", UBB 2016.
2. I. G. Deac, Modele de proiecte și probleme rezolvate pentru cursul de "Tehnologii criogenice" UBB 2016.

A1.4 Granturi/Proiecte de cercetare in valoare de peste 100000 euro, castigate prin competitive (punctaj): 0,89

Nr. Crt.	Director de proiect/responsabil partener în consorții (membru al UC)	Titlu grant	Observatii	Valoarea totală a grantului care a revenit UC (in RON)
1	Deac Iosif-Grigore,	Fenomene fizice complexe in materiale de tip perovskit pentru aplicatii in tehnica	(IDEI/CNCS)	422759
2	Deac Iosif-Grigore	Filme epitaxiale de YBCO cu nanocentri de pinning puternic corelați pentru cabluri supraconductoare de temperatură înaltă	(Parteneriate) nr. 71-045/2007	113973
3	Deac Iosif-Grigore	Dinamica fluxului in supraconductori nanostructurati sau cvasi-bidimensionali	CEEX 21	149877
	Deac Iosif-Grigore	TRANSPORT DE SPIN SI SARCINA PRIN TUNELARE IN COMPOZITE CU SEMIMETALE CU POLARIZARE DE SPIN INALTA	CEEX 45	150000
4	Deac Iosif-Grigore	Materiale supraconductoare cu temperatura critica ridicata	CEEX 73	149507

Total: 986116 lei aprox. $986116/4.45 = 221.599$ euro