

Lucrări științifice

A. Articole publicate în reviste străine

Nr. crt.	Lucrare (autori / titlu / revista, număr, an, pagina început-sfârșit)	Factor impact
1	M.Ivașcu, G.Semenescu, D.Bucurescu, M.Titirici, "Scattering of 19.5 MeV alpha particles by ^{63}Cu , ^{64}Ni , ^{65}Cu , and ^{66}Zn ", Nuclear Physics A147 (1970)107–119	1.825
2	M.Ivașcu, D.Popescu, D.Bucurescu, M.Titirici, P.Spilling, "Study of the $^{86}\text{Sr}(^3\text{He},\alpha)^{85}\text{Sr}$ reaction", Nuclear Physics A169 (1971)429–436	1.825
3	D.Bucurescu, M.Ivașcu, G.Semenescu, M.Titirici, "The (α,p) reaction on even Nickel isotopes", Nuclear Physics A189 (1972)577–591	1.825
4	D.Bucurescu, M.Ivașcu, D.Popescu, M.Titirici, P.Spilling, "Study of the $^{88,86}\text{Sr}(d,\alpha)^{86,84}\text{Rb}$ reactions", Nuclear Physics A197 (1972)121–128	1.825
5	M.A. van Driel, H.H.Eggenhuizen, J.A.J.Hermans, D.Bucurescu, G.A.P.Engelbertink, "Investigation of the 3.46 MeV isomeric level in ^{38}K with the $^{24}\text{Mg}(^{16}\text{O},pn)^{38}\text{K}$ reaction", Nuclear Physics A226 (1974)326–346	1.825
6	M. Ivașcu, D. Bucurescu, D. Popescu, V.Avrigeanu, E. Drăgulescu, G.Semenescu, M.Avrigeanu, "Spectroscopy of the $^{69,71}\text{Ga}$ isotopes with the $^{69,71}\text{Ga}(\alpha,\alpha')^{69,71}\text{Ga}$ and $^{66,68}\text{Zn}(\alpha,p)^{69,71}\text{Ga}$ reactions", Nuclear Physics A225 (1974)357–364	1.825
7	J.A.J.Hermans, G.A.P.Engelbertink, D.Bucurescu, M.A.van Driel, H.H.Eggenhuizen, "Precision lifetime measurements with the coincident high-velocity DSA method", Physics Letters 50B (1974)337–339	3.567
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9	V.Avrigeanu, D.Bucurescu, G.Constantinescu, E.Drăgulescu, M.Ivașcu, D.Pantelică, R.Teodorescu, "Study of high spin states in ^{52}Mn ", Nuclear Physics A272 (1976)243–258	1.825
10	M.Avrigeanu, V.Avrigeanu, D.Bucurescu, G.Constantinescu, M.Ivașcu, D.Pantelică, M.Tanase, N.V.Zamfir, "Lifetime measurements in ^{86}Zr ", Journal of Physics G4 (1978)261–268	1.12
11	A.Berinde, I.Boca, D.Bucurescu, G.Constantinescu, C.Hațegan, S.Hoppenau, M.Ivașcu, N.C.Tufoi, V.Zoran, "Precise angular distribution measurements with a position-sensitive detector" Nuclear Instruments and Methods 167 (1979)439–442	1.038

12	D.Bucurescu, G.Constantinescu, M.Ivașcu, W.Andrejscheff, B.Bochev, T.Kutsarova, "Band-like structures in 97Ru", Journal of Physics G6 (1980) 103–115	1.12
13	A.Xenoulis, E.N.Gazis, P.Kakanis, D.Bucurescu, A.D.Panagiotou, "Competition between exit channels leading to the same residual nucleus in heavy-ion reactions", Physics Letters 90B (1980) 224–8	3.567
14	D.Bucurescu, G.Constantinescu, M.Ivașcu, N.V.Zamfir, M.Avrigeanu, "Recoil-distance measurements of the lifetimes of high-spin states in 83Sr and 85Sr", Journal of Physics G7 (1981)399–412	1.12
15	D.Bucurescu, G.Constantinescu, D.Cutoiu, M.Ivașcu, N.V.Zamfir, "Possible shape phase transition in the heavy Kr isotopes", Journal of Physics G7 (1981)L123–L126	1.12
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17	C.F.Liang, P.Paris, D.Bucurescu, J.Putaux, J.Obert, S.DellaNegra, "Selective on-line separation of new Ta, Zr and Sr isotopes", Zeitschrift fur Physik A309 (1982)185–6	1.280
18	D.Bucurescu, G.Căta, D.Cutoiu, G.Constantinescu, M.Ivașcu, N.V.Zamfir, "Description of the neutron-deficient Sr and Zr isotopes in the interacting boson model", Nuclear Physics A401 (1983)22–40	1.825
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22	D.Galeriu, D.Bucurescu, M.Ivașcu, "Nuclear deformations in the A≈80–100 region", Journal of Physics G12 (1986)329–348	1.12
23	D.Bucurescu, G.Căta, M.Ivașcu, N.V.Zamfir, C.F.Liang, P.Paris, "Collectivity of the neutron deficient odd Yttrium isotopes", Journal of Physics, G14 (1988)L175–L180	1.120
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25	D.Bucurescu, G.Căta, D.Cutoiu, E.Drăgulescu, M.Ivașcu, N.V.Zamfir, A.Gizon, J.Gizon, "Investigation of the particle-core structure of odd-mass nuclei in the NpNn scheme", Physics Letters B229 (1989)321–326	3.566

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27	G.Căta, D.Bucurescu, D.Cutoiu, M.Ivașcu, N.V.Zamfir, "Effective boson number calculations in Mo and Cd isotopes", <i>Zeitschrift fur Physik</i> A335 (1990)271–278	1.280
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29	M.S.Rapaport, D.Bucurescu, C.F.Liang, P.Paris, "Decay of ^{133}Pr and structure of ^{133}Ce ", <i>Physical Review</i> C42 (1990)1959–1964	1.993
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32	N.Idrissi, A.Gizon, J.Genevey, P.Paris, V.Barci, D.Barneoud, J.Blachot, D.Bucurescu, R.Duffait, J.Gizon, C.F.Liang, B.Weiss, "Conversion measurements in the ^{124}La decay. Spin and parity assignments in ^{124}Ba ", <i>Zeitschrift fur Physik</i> A341 (1992)427–433	1.280
33	D.Bucurescu, M.Rapaport, C.F.Liang, P.Paris, G.Căta-Danil, "New investigation of ^{83}Zr and ^{85}Zr beta decay", <i>Zeitschrift fur Physik</i> A342 (1992)403–410	1.280
34	D.Bucurescu, G.Căta-Danil, M.Ivașcu, A.Gizon, J.Gizon, C.A.Ur, "IBFM for Ba isotopes and chaoticity", <i>Zeitschrift fur Physik</i> A343 (1992)139–143	1.280
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36	D.Bucurescu, G.Căta-Danil, M.Ivașcu, C.A.Ur, "Band structure systematics and symmetries in even-even nuclei", <i>Physical Review</i> C48 (1993)R21–R24	1.993
37	D.Bucurescu, G.Căta-Danil, M.Ivașcu, L.Stroe, C.A.Ur, "Global systematics of unique parity quasibands in collective odd–A nuclei", <i>Physical Review</i> C49 (1994)R1759–R1762	1.993
38	D.Bazzacco, F.Brandolini, R.Burch, S.Lunardi, E.Maglione, N.H.Medina, P.Pavan, C.Rossi–Alvarez, G.de Angelis, D.De Acuna, M.De Poli, J.Rico, D.Bucurescu, C.A.Ur, "Complete decay–out of the superdeformed band in ^{133}Nd ", <i>Physical Review</i> C49 (1994)R2281–R2284	1.993
39	G.Căta-Danil, D.Bucurescu, A.Gizon, J.Gizon, "IBFM calculations in light odd–A Xenon nuclei", <i>Journal of Physics</i> G20 (1994)1051–1066	1.091

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66	J.Timar, J.Gizon, A.Gizon, L.Zolnai, B.M.Nyako, Gh.Căta-Danil, D.Bucurescu, A.J.Boston, D.T.Joss, E.S.Paul, A.T.Semple, N.J.O'Brien, C.M.Parry, A.V.Afanasjev, I.Ragnarsson, "Terminating high–spin bands in ^{101}Rh ", <i>European Physical Journal</i> A4 (1999)11–15	1.376
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