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## LIST OF PUBLICATIONS

(December 18, 2017)

### 1 Books, volumes

1. “Zbiór Zadań z Fizyki”, M. Marczewski and W. Nazarewicz, *Wydawnictwa Politechniki Warszawskiej, 1980* (in Polish).
2. “Nuclear Structure Models”, R. Bengtsson, J. Draayer, and W. Nazarewicz, *World Scientific, Singapore, 1993*, ISBN 981-02-1131-7
3. “The Nuclear Many-Body Problem 2001”, W. Nazarewicz and D. Vretenar, *Kluwer Academic Publishers, NATO Science Series II, Vol. 53*. ISBN 1-4020-0462-1, 978-1-4020-0463-6.
4. “The 4th International Conference on Exotic Nuclei and Atomic Masses, ENAM 2004”, C.J. Gross, W. Nazarewicz, and K.P. Rykaczewski, *SIF and Springer-Verlag, Berlin Heidelberg 2005*, ISBN-10 3-540-28441-9, ISBN-13 978-5-540-28441-3.
5. “Topical Issue on the Fifth International Conference on Exotic Nuclei and Atomic Masses ENAM’08,” edited by J. Äystö, W. Nazarewicz, M. Pfützner, and C. Signorini, *Eur. Phys. J. A* **42**, No. 3, 2009.
6. “Focus Issue on Enhancing the interaction between nuclear experiment and theory through information and statistics”, edited by D.G. Ireland and W. Nazarewicz, *J. Phys. G* **42**, 030301 (2015).
7. “Special Issue on Superheavy Elements”. edited by Ch. E. Düllmann, R.-D. Herzberg, W. Nazarewicz, and Y. Oganessian, *Nucl. Phys. A* **944**, 1 (2015).

## 2 Reviews/Book Chapters

1. “Nuclear Shapes in Mean Field Theory”, S. Åberg, H. Flocard and W. Nazarewicz, *Annu. Rev. Nucl. Part. Sci.* **40**, 439 (1990).
2. “Coexistence in Even-Mass Nuclei”, J.L. Wood, K. Heyde, W. Nazarewicz, M. Huyse and P. van Duppen, *Phys. Rep.* **215**, 101 (1992).
3. “Identical Bands in Deformed and Superdeformed Nuclei”, C. Baktash, B. Haas, and W. Nazarewicz, *Annu. Rev. Nucl. Part. Sci.* **45**, 485 (1995).
4. “Intrinsic Reflection Asymmetry in Atomic Nuclei”, P. Butler and W. Nazarewicz, *Rev. Mod. Phys.* **68**, 349 (1996).
5. “Nuclear Deformations”, W. Nazarewicz and I. Ragnarsson, in *Handbook of Nuclear Properties*, ed. by D.N. Poenaru and W. Greiner, (Clarendon Press, Oxford), 1996, p. 80.
6. “The Nuclear Collective Motion”, W. Nazarewicz, *An Advanced Course in Modern Nuclear Physics*, ed. by J.M. Arias and M. Lozano, (Lecture Notes in Physics, Springer Berlin, 2001), p. 102.
7. “Calculation of Nuclear Quadrupole Coupling Constants”, Peter Schwerdtfeger, Markus Pernpointner, and Witold Nazarewicz, in *Quantum Chemical Calculation of Magnetic Resonance Properties*, ed. by M. Kaupp, M. Buehl, and V.G. Malkin (Wiley-VCH, 2003), Chapter 17, p. 279.
8. “Shell model in the complex energy plane”, N. Michel, W. Nazarewicz, M. Płoszajczak, and T. Vertse, *J. Phys. G (Topical Review)* **36**, 013101 (2009).
9. “Hartree-Fock-Bogoliubov solution of the pairing Hamiltonian in finite nuclei”, J. Dobaczewski and W. Nazarewicz; in *50 Years of Nuclear BCS*, ed. by R. A. Broglia and V. Zelevinski (World Scientific, 2013); pp. 40-60.
10. “Clustering and pasta phases in nuclear density functional theory,” B. Schuetrumpf, C.L. Zhang, and W. Nazarewicz, *Nuclear Particle Correlations and Cluster Physics*, Chapter 5, p. 135 (2017).

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2. "Surface Disorder: a Possible Source of Magnetism in Alloys", A. Zagorski, W. Nazarewicz, A.R. Ferchmin, and A. Sukiennicki, *Phys. Lett. A* **71**, 127 (1979).
3. "Parameters of the Deformed Woods-Saxon Potential Outside A=110-210 Nuclei", J. Dudek, A. Majhofer, J. Skalski, T. Werner, S. Ćwiok, and W. Nazarewicz, *J. Phys. G* **5**, 1359 (1979).
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5. "Analysis of the Backbending Effect in  $^{166}\text{Yb}$ ,  $^{168}\text{Yb}$ ,  $^{170}\text{Yb}$  Within Hartree-Fock-Bogolyubov Cranking Method", S. Ćwiok, W. Nazarewicz, J. Dudek, and Z. Szymański, *Phys. Rev. C* **21**, 448 (1980).
6. "A CPA Calculations for the 11-layered Thin Film", A. Zagórski and W. Nazarewicz, *Acta Phys. Pol. A* **57**, 391 (1980)
7. "Thickness Dependence of the CPA Densities of States for Electrons in the Thin Film Alloys", A. Zagórski and W. Nazarewicz, *Acta Phys. Pol. A* **57**, 403 (1980).
8. "The dependence of Coulomb Displacement Energy on Deformation of a Nucleus", S. Ćwiok, W. Nazarewicz, and W. Zych, *Acta Phys. Pol. B* **11**, 445 (1980).
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10. "Peculiar Properties of Surface Magnetism in Thin Film Alloys", A. Zagórski, W. Nazarewicz, A.R. Ferchmin, and A. Sukiennicki, *Phys. Stat. Sol. (b)* **100**, 473 (1980).
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12. “Some Remarks on the Nuclear Potential Energy Calculations”, J. Dudek, W. Nazarewicz and P. Rozmej, *Nukleonika* **25**, 1049 (1980).
  13. “Second Backbending in the Yrast Line of  $^{156}\text{Er}$ ”, T. Byrski, F.A. Beck, C. Gehringer, J.C. Merdinger, Y. Schutz, J.P. Vivien, J. Dudek, W. Nazarewicz, and Z. Szymański, *Phys. Lett. B* **102**, 235 (1981).
  14. “Independent Quasiparticle Analysis of Rotational Bands in  $^{156}\text{Er}$ ”, J. Dudek, W. Nazarewicz, and Z. Szymański, *Phys. Scripta* **24**, 309 (1981).
  15. “On the Hexadecapole Anomaly at the Border of the Rare Earth Region”, W. Nazarewicz, and P. Rozmej, *Nucl. Phys. A* **369**, 395 (1981).
  16. “Curie Temperature and Critical Concentration of a Diluted Amorphous Ferromagnet - DRPHS Model”, W. Nazarewicz, A. Zagórski, A.R. Ferchmin, and S. Kobe, *Phys. Stat. Sol. (b)* **106**, K131 (1981).
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  21. “Search for Collective Effects in Very High Spin States of  $^{152}\text{Dy}$ ”, Y. Schutz, J.P. Vivien, F.A. Beck, T. Byrski, C. Gehringer, J.C. Merdinger, J. Dudek, W. Nazarewicz, and Z. Szymański, *Phys. Rev. Lett.* **48**, 1534 (1982).
  22. “Possible Existence of Backbending in the Actinide Nuclei”, J. Dudek, W. Nazarewicz, and Z. Szymański, *Phys. Rev. C* **26**, 1708 (1982).

23. "Testing the Interpretation of the  $\gamma$ - $\gamma$  Correlation Experiments at High Spins", A. Majhofer, W. Nazarewicz, and T. Werner, Nucl. Instr. Meth. **200**, 249 (1982).
24. "Some Remarks on Surface Magnetism in Thin Alloyed Films", A. Zagórski, W. Nazarewicz, and A.R. Ferchmin, Phys. Lett. A **91**, 307 (1982).
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29. "Multidimensional Automatic Integrator (MDAI) - an Efficient Routine for Automatic Integration of Functions of Many Variables, W. Nazarewicz and M. Pindor, Comput. Phys. Commun. **31**, 1 (1984).
30. "Theoretical Analysis of the Single-Particle States in the Secondary Minima of Fissioning Nuclei", J. Dudek, W. Nazarewicz, and A. Faessler, Nucl. Phys. A **412**, 61 (1984).
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