

LIST OF PUBLICATIONS - Sept 2020

of Prof. Dr.Sc. (Dr.Habil.) Emil Nissimov
Corresponding member of Bulgarian Academy of Sciences,
Institute for Nuclear Research and Nuclear Energy,
Bulgarian Academy of Sciences, Sofia, Bulgaria

Caution: Standard electronic science-metric data bases like *Scopus* and *Web of Science* are still *very much incomplete* – especially failing to track older publications and citations, proceedings of international conferences, monographs, as well as non-English language science journals and proceedings. Thus, *Scopus* and *Web of Science* may in many cases yield misleading output results on publications and citations. *Google Scholar* provides more (although still not) complete data, as do the specialized electronic data bases for publications in the area of physical sciences such as *INSPIRE* (inspirehep.net) and *ArXiv.org*.

- **Total Number of Scientific Papers: 154**

- Articles published in international journals: **90**
Physics Letters B - 27; Physics Letters A - 3; Nuclear Physics B - 6; Physical Review D - 2; Communications in Mathematical Physics - 2; Modern Physics Letters A - 5; International Journal of Modern Physics A - 8; International Journal of Modern Physics D - 2; General Relativity and Gravitation - 2; Symmetry - 2; Journal of Mathematical Physics - 2; Letters in Mathematical Physics - 11; Fortschritte der Physik - 2; EuroPhysics Journal B - 1; EuroPhysics Journal C - 3; Classical and Quantum Gravity - 1; Applicable Analysis - 1; Central European Journal of Physics - 1; Astronom. Nachrichten - 1; Invertis Journal of Science and Technology - 1; The Open Nuclear and Particle Physics Journal - 1; Theoretical and Mathematical Physics - 5; J.E.T.P. Letters - 1
- Articles published in proceedings of international conferences: **40**
- Articles published in national journals: **17**
Bulgarian Journal of Physics - 15; Comptes Rendus d'Academie Bulgare des Sciences - 2
- Preprints: **7**

- **Total Number of Independent Citations: 1605**

- **Total Impact Factor (JCR Data): 296.403**

- **H-index: 21**

1. FEYNMAN RULES AND RENORMALIZATION OF THE HAAG SERIES AND RETARDED FUNCTIONS. *Bulg. J. Phys.* **2** (1975) 323-335.

By E.R. Nissimov, S.J. Pacheva (Sofia, Inst. Nucl. Res. and Sofia, Inst. Solid State Phys.), 1975.

2. ANOMALIES OF QUANTUM CURRENTS IN EXACTLY SOLVABLE MODELS. *Theor. Math. Phys.* **29** (1976) 161-170.

By P.P. Kulish, E.R. Nissimov (Steklov Math. Inst., Leningrad), 1976.

3. CONSERVATION LAWS IN THE QUANTUM THEORY $(\cos\Phi - 1)_2$ AND IN THE MASSIVE THIRRING MODEL. *Lett. to J. E. T. P.* **24** (1976) 247-250.

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By I.Ya. Arefeva, P.P. Kulish, E.R. Nissimov, S.J. Pacheva (Steklov Math. Inst., Leningrad), 1977.

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34. TOPOLOGICAL QUANTIZATION OF PHYSICAL PARAMETERS, GLOBAL ANOMALIES AND THE STOCHASTIC SCHEME. *Phys. Lett.* **171B** (1986) 267.
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63. STRING THEORY AND INTEGRABLE SYSTEMS. In *Mathematical Physics Towards the XXI Century*, eds. R.N. Sen and A. Gersten, (Proc. of Intern. Conf. held at Ben-Gurion Univ., Beer-Sheva, March 1993), Ben-Gurion Univ. Press (1994) (*hep-th/9310113*).
- By E. Nissimov, S. Pacheva (Ben-Gurion Univ., Beer-Sheva), 1993.
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65. HAMILTONIAN STRUCTURES OF THE MULTI-BOSON *KP* HIERARCHIES, ABELIANIZATION AND LATTICE FORMULATION. *Phys. Lett.* **331B** (1994) 82 (*hep-th/9401058*).
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66. TWO-MATRIX STRING MODEL AS CONSTRAINED $(2 + 1)$ -DIMENSIONAL INTEGRABLE SYSTEM. *Phys. Lett.* **341B** (1994) 19 (*hep-th/9407017*).
- By H. Aratyn (Illinois U., Chicago), E. Nissimov, S. Pacheva (Ben-Gurion Univ., Beer-Sheva), A.H. Zimerman (UNESP, Sao Paulo), 1994.
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71. CONSTRAINED *KP* HIERARCHIES: DARBOUX-BÄCKLUND SOLUTIONS AND ADDITIONAL SYMMETRIES. in *“New Trends in Quantum Field Theory”*, eds. A. Ganchev, R. Kerner and I. Todorov, Heron Press, Sofia (1996) (*solv-int/9512008*).

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