Prof.dr. Daniela DRAGOMAN

10 Most Significant Scientific Publications

Publications

1. D. Dragoman, M. Dragoman – **Quantum-Classical Analogies**, Springer, Heidelberg, Germany, 2004, ISBN 978-3-642-05766-3.

2. D. Dragoman – **The Wigner distribution function in optics and optoelectronics**, in Progress in Optics, E. Wolf, ed., vol.37, Elsevier, The Netherlands, 1-56, 1997.

3. D. Dragoman – **Phase space formulation of quantum mechanics. Insight into the measurement problem**, Physica Scripta 72, 290-295, 2005.

4. M. Dragoman, D. Dragoman – **Plasmonics: applications to nanoscale terahertz and optical devices,** Prog. Quantum Electron. 32, 1-41, 2008.

5. M. Dragoman, D. Dragoman – **Graphene-based quantum electronic**s, Prog. Quantum Electron. 33, 165-214, 2009.

6. D. Dragoman, M. Dragoman – **Graphene-based room-temperature implementation of a modified Deutsch-Jozsa quantum algorithm**, Nanotechnology 26, 485201, 2015.

7. D. Dragoman, M. Dragoman – **Quantum logic gates based on ballistic transport in graphene**, J. Appl. Phys. 119, 094902, 2016.

8. D. Dragoman, E. Vladescu – **Ring-shaped plasmonic logic gates**, Plasmonics, online https://doi.org/10.1007/s11468-018-0779-2.

9. D. Dragoman – **Tunable fractional Fourier transform implementation of electronic wave functions in atomically thin materials**, Beilstein J. Nanotechnol. 9, 1828-1833, 2018.

10. D. Dragoman, R. Tudor – **Characterization of optical fields with orbital angular momentum by invariants of higher-order moments of radial coordinates**, J. Mod. Opt. 64, 2328-2335, 2017.