

## ZOE KOLLIA

### PUBLICATIONS

#### A. Ph.D. THESIS

- 1 “Optical properties of the  $4f^{n-1}5d$  electronic configuration of trivalent rare earth ions in wide band gap ionic crystals”, School of Applied Mathematical and Physical Science, National Technical University of Athens, Greece (5/ 2004).

#### B. PAPERS IN REFEREED JOURNALS

1. “Charge transport mechanisms and memory effects in amorphous TaNx thin films.”  
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2. “Pulsed-laser fabrication of gas-filled hollow Co–Pt nanospheres.”  
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Acta Mater. 61, 7924 (2013).  
[DOI:10.1016/j.actamat.2013.09.033](https://doi.org/10.1016/j.actamat.2013.09.033)
3. “Thermionic field emission in gold nitride Schottky nanodiodes”.  
N. Spyropoulos-Antonakakis, E. Sarantopoulou, Z. Kollia, Z. Samardžija, S. Kobe and A. C. Cefalas  
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4. “Entropic nanothermodynamic potential from molecular trapping within photon induced nano-voids in photon processed PDMS layers”.  
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7. “Long-term oxidization and phase transition of InN nanotextures”.  
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8. "Interplanetary survival probability of *Aspergillus terreus* spores under simulated solar vacuum ultraviolet irradiation".  
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9. "Magnetic field trapping in coherent antisymmetric states of liquid water molecular rotors".  
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