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## PUBLICATIONS

- **Hidden polarization of unpolarized light**  
G. G. Kozlov, I. I. Ryzhov, A. Tzimis, Z. Hatzopoulos, P. G. Savvidis, A. V. Kavokin, M. Bayer, and V. S. Zapasskii  
Physical Review A 98, 043810 (2018)  
<https://doi.org/10.1103/PhysRevA.98.043810>
- **Electrical Tuning of Nonlinearities in Exciton-Polariton Condensates**  
S.I. Tsintzos, A. Tzimis, G. Stavrinidis, A. Trifonov, Z. Hatzopoulos, J.J. Baumberg, H. Ohadi, and P.G. Savvidis  
Physical Review Letters 121, 037401 (2018)  
<https://doi.org/10.1103/PhysRevLett.121.037401>
- **Inverse-phase Rabi oscillations in semiconductor microcavities**  
A. V. Trifonov, N. E. Kopteva, M. V. Durnev, I. Ya. Gerlovin, R. V. Cherbutin, A. Tzimis, S. I. Tsintzos, Z. Hatzopoulos, P. G. Savvidis, and A. V. Kavokin  
Physical Review B 95, 155304 (2017)  
<https://doi.org/10.1103/PhysRevB.95.155304>
- **Dynamics of the energy relaxation in a parabolic quantum well laser**  
A. V. Trifonov, E. D. Cherotchenko, J. L. Carthy, I. V. Ignatiev, A. Tzimis, S. Tsintzos, Z. Hatzopoulos, P. G. Savvidis, and A. V. Kavokin  
Physical Review B 93, 125304 (2016)  
<https://doi.org/10.1103/PhysRevB.93.125304>
- **Strong coupling and stimulated emission in single parabolic quantum well microcavity for terahertz cascade**  
A. Tzimis, A. V. Trifonov, G. Christmann, S. I. Tsintzos, Z. Hatzopoulos, I. V. Ignatiev, A. V. Kavokin, and P. G. Savvidis  
Applied Physics Letters 107, 101101 (2015)  
<https://doi.org/10.1063/1.4930165>