

S. Brand – Publications (with links to abstracts for most papers)

(Statistics relating to my publications can be found [HERE](#))

[A study of a phase formalism for calculating the cumulative density of states of one-dimensional photonic crystals, R. A. Abram, A. A. Greshnov and M. A. Kaliteevski, Journal of Modern Optics Vol. 64 1501-9 \(2017\)](#)

[Some theory of a dual-polarization interferometer for sensor applications, R. A. Abram and S. Brand, Journal of Physics D: Applied Physics, Vol. 48 125101 \(2015\)](#)

[Tamm plasmon polaritons in multilayered cylindrical structures, C. E. Little, R. Anufriev, I. Iorsh, M. A. Kaliteevski, R. A. Abram and S. Brand, Physical Review B86 235425 \(2012\)](#)

[Wavelength-dependent frustrated internal reflection via photonic interface states, G. H. Cross and S. Brand, Applied Physics Letters Vol. 99 191106 \(2011\)](#)

[Negative refraction and the spectral filtering of terahertz radiation by a photonic crystal prism, G. Swift, A. Gallant, N. Kaliteevskaya, M. Kaliteevski, S. Brand, D. Dai, A. Baragwanath, I. Iorsh, R. Abram, and J. Chamberlain, Optics Letters Vol. 36 1641-3 \(2011\)](#)

[An ‘electromagnetic wiggler’ originating from refraction of waves at the side edge of a Bragg reflector, I. V. Iorsh, M. A. Kaliteevski, S. Brand, R. A. Abram and N. A. Kaliteevskaya, Journal of Modern Optics Vol. 58 686-693 \(2011\)](#)

[Hybrid states of Tamm plasmons and exciton-polaritons, M. Kaliteevski, S. Brand, R. A. Abram, I. Iorsh, A. V. Kavokin, T. C. H. Liew and I. A. Shelykh, Superlattices and Microstructures, Vol. 49 229-232 \(2011\)](#)

[Evanescently coupled interface states in the gap between two Bragg reflectors, S. Brand, R. A. Abram and M. A. Kaliteevski, Optics Letters Vol 35 2085-7 \(2010\)](#)

[Tailor-made surface plasmon polaritons above the bulk plasma frequency: a design strategy for indium tin oxide, S. Brand, R. A. Abram and M. A. Kaliteevski, Journal of Physics D: Applied Physics Vol 43 145104 \(2010\)](#)

[Tamm plasmon polaritons: First experimental observation, M.E. Sasin, R.P. Seisyan, M.A. Kaliteevski, S. Brand, R.A. Abram, J.M. Chamberlain, I.V. Iorsh, I.A. Shelykh, A.Yu. Egorov, A.P. Vasil’ev, V.S. Mikhrin, and A.V. Kavokin, Superlattices and Microstructures Vol 47 44-49 \(2010\)](#)

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[Hybrid states of Tamm plasmons and exciton polaritons, M. Kaliteevski, S. Brand, R.A. Abram, I. Iorsh, A.V. Kavokin and I. A. Shelykh, Applied Physics Letters, Vol 95 251108 \(2009\)](#)

[Bragg reflector enhanced attenuated total reflectance, S. Brand, R. A. Abram and M. A. Kaliteevski, Journal of Applied Physics Vol 106 113109 \(2009\)](#)

[Whispering-gallery exciton polaritons in submicron spheres, C. E. Platts, M. A. Kaliteevski, S. Brand, R. A. Abram, I. V. Iorsh and A. V. Kavokin, Physical Review Vol B79 245322 \(2009\)](#)

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