

## Publications

### Reviews:

#### 1969

1. Portal J.C., S.Askenazy and G.Bauzil  
*Générateur d'impulsion symétriques pour la mesure de la température d'électrons chauds*  
Rev. Phys. Appliq. **4**, 481-484 (1969)
2. Portal J.C., S.Askenazy and J.Clot  
*Mise en évidence du refroidissement des électrons chauds dans le silicium par un champ magnétique*  
C.R. Acad. Sci. **268**, 1083 (1969)

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3. Portal J.C., S.Askenazy and G.Darnaude  
*Variation thermique de la vitesse de groupe moyenne des phonons dans le silicium entre 190 K et 350 K*  
Solid State Commun. **8**, 427-430 (1970)

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4. Askenazy S., R.Barbaste, J.Leotin, J.C.Portal, J.P.Ulmet and R.A.Stradling  
*Effet Shubnikov-de Haas dans InP*  
Solid State Commun. **9**, 729-732 (1971)
5. Eaves L., R.A.Stradling, S.Askenazy, G.Carrere, J.Leotin, J.C.Portal and J.P.Ulmet  
*An investigation of the conduction band edge in CdSe by the magnetophonon effect*  
J. Phys. C **5**, L19-21 (1971)
6. Eaves L., R.A.Stradling, S.Askenazy, J.Leotin, J.C.Portal and J.P.Ulmet  
*The magnetophonon effect in epitaxial films of n-type InP*  
J. Phys. C **4**, L42-46 (1971)

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7. Miura N., R.A.Stradling, S.Askenazy, G.Carrere, J.Leotin, and J.C.Portal  
*Anisotropic phonon coupling in the magnetophonon resonance in p-type tellurium*  
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8. Eaves L., R.A.Stradling, J.C.Portal, S.Askenazy, R.Barbaste and K.Hansen  
*A study of intervalley scattering in n-Si dependent longitudinal magnetotransport resonance*  
Solid State Commun. **15**, 1281-1285 (1974)
9. Eaves L., R.A.Stradling, S.Askenazy, R.Barbaste, G.Carrere, J.Leotin, J.C.Portal and J.P.Ulmet

*An investigation of the energy relaxation of warm electrons in InP by means of the magnetophonon effect*

J. Phys. C: Solid State Commun. **7**, 1999-2007 (1974)

10. Portal J.C., L.Eaves, S.Askenazy, and R.A.Stradling  
*A study of intervalley scattering in n-Si by the magnetophonon effect*  
Solid State Commun. **14**, 1241-1245 (1974)
11. Skolnick M., L.Eaves, R.A.Stradling and J.C.Portal  
*Far infrared photoconductivity from majority and minority impurities in high purity Si and Ge*  
Solid State Commun. **15**, 1403-1408 (1974)

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12. Eaves L., R.A.Hoult, R.A.Stradling, R.J.Tidey, J.C.Portal and S.Askenazy  
*Fourier analysis of magnetophonon and two-dimensional Shubnikov-de Haas magneto-resistance structure*  
J. Phys. C **8**, 1034-1053 (1975)

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13. Carter A.C., G.P.Garver, R.J.Nicholas, J.C.Portal and R.A.Stradling  
*Evidence for contribution to the extrinsic photoconductive signal by hopping through excited states of donors in silicon and CdTe*  
Solid State Commun. **24**, 55-60 (1977)
14. Eaves L., R.A.Hoult, R.A.Stradling, S.Askenazy, R.Barbaste, G.Carrere, J.Leotin, J.C.Portal and J.P.Ulmet  
*An investigation of the valence of germanium, InSb and GaAs by means of the magnetophonon effect*  
J. Phys. C **10**, 2831-2848 (1977)
15. Instone T., L.Eaves, J.C.Portal, C.Houlbert, P.Perrier and S.Askenazy  
*Energy relaxation of photoexcited electrons in n- and p-Ge by magneto-impurity and magnetophonon processes*  
J. Phys. C **10**, L585-589 (1977)

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16. Cooke R., R.J.Nicholas, R.A.Stradling, J.C.Portal and S.Askenazy  
*The effects of high uniaxial stress on the far infrared impurity spectra of high purity n and p type silicon*  
Solid State Commun. **26**, 11-15 (1978)
17. Nicholas R.J., R.A.Stradling, J.C.Portal, P.Perrier and S.Askenazy  
*The analysis of thermal activation of two-dimensional Shubnikov-de Haas conductivity minima and maxima*  
Surf. Sci. **73**, 106-115 (1978)

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18. Eaves L. and J.C.Portal  
*A review of the magneto-impurity effect in semiconductors*  
J. Phys. C **12**, 2809-2828 (1979)
19. Nicholas R.J., J.C.Portal, C.Houlbert, P.Perrier and T.Pearsall  
*An experimental determination of the effective mass for  $Ga_xIn_{1-x}As_yP_{1-x}$  alloys grown on InP*  
Appl. Phys. Lett. **34**, 492-494 (1979)
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22. Portal J.C., C.Houlbert, P.Perrier, S.Askenazy, R.J.Nicholas and R.A.Stradling  
*Impurity associated magnetophonon resonance in n-type silicon*  
J. Phys. C **12**, 5121-5143 (1979)
23. Zdanowicz W., L.Zdanowicz, J.C.Portal and S.Askenazy  
*Shubnikov-de Haas effect in thin film of cadmium arsenide  $Cd_3As_2$*   
Thin Solid Films **60** (1979)

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24. Nicholas R.J., A.C.Carter, R.A.Stradling, S.Fung, J.C.Portal and C.Houlbert  
*A study of the energy loss mechanisms for hot electrons in CdTe and CdS from oscillatory photoconductivity and the magnetophonon effect*  
J. Phys. C **13**, 5215-5231 (1980)
25. Nicholas R.J., E.Kress-Rogers, F.Kuchar, M.Pepper, J.C.Portal and R.A.Stradling  
*Electron transport in silicon inversion layers at high magnetic fields and the influence of substrate bias*  
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26. Nicholas R.J., S.J.Sesions and J.C.Portal  
*Cyclotron resonance and the magnetophonon effect in  $Ga_xIn_{1-x}As_yP_{1-y}$*   
Appl. Phys. Lett. **37**, 178-180 (1980)
27. Perrier P., J.C.Portal, J.Galibert and S.Askenazy  
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28. Portal J.C., P.R.Wallace, W.Zdanowicz and L.Zdanowicz  
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J. Phys. Soc. Jpn **49**, 1167-1170 (1980)

29. Portal J.C., R.A.Cooke, A.R.Adams, C.N.Ahmad, R.A.Stradling  
*The influence of high uniaxial stress on the  $\Gamma_{1C}$  conduction band effective mass of Gallium Arsenide*  
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*Two-dimensional behaviour of electrons in bulk InSe from Shubnikov-de Haas oscillations and cyclotron resonance*  
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31. Aubin M. and J.C.Portal  
*Shubnikov-de Haas oscillations in  $Cd_{3-x}Zn_xAs_2$  alloys*  
Solid State Commun. **38**, 695-702 (1981)
32. Portal J.C., Abd-El-Moaty, W.Zdanowicz and L.Zdanowicz  
*Shubnikov-de Haas effect in thin films of Cadmium Arsenide I : Crystalline films*  
Thin Solid Films **76**, 391-400 (1981)
33. Zdanowicz L., J.C.Portal, W.Zdanowicz and C.Z.Weclewicz  
*Transport properties of amorphous films of Cadmium Arsenide*  
J. Phys. **42**, C4-1069-1072 (1981)
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*Shubnikov-de Haas effect in thin films of  $Cd_3As_2$  II : Amorphous films*  
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*Magnetophonon resonances of the two-dimensional electron gas in GaAs/AlGaAs heterostructures*  
Solid State Commun. **44**, 1301-1304 (1982)
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*Cyclotron resonance studies of bulk and two-dimensional conduction electrons in InSe*  
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Surf. Sci. **113**, 339-346 (1982)
38. Nicholas R.J., M.A.Brummell and J.C.Portal  
*High field magnetotransport measurements in GaAs-GaAlAs multilayers*  
Proc. 4th Int. Conf. on Electronics Properties of Two-Dimensional Systems, New-London,

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Solid State Commun. **43**, 825-828 (1982)
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Solid State Commun. **43**, 907-911 (1982)
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*The band structure of Cd<sub>3</sub>P<sub>2</sub> in presence of magnetic field*  
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Physica B **117-118**, 753-755 (1983)
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47. Nicholas R.J., M.A.Brummell, J.C.Portal, K.Y.Cheng, A.Y.Cho and T.P.Pearsall  
*An experimental determination of enhanced electron g-factors in GaInAs-AlInAs heterojunctions*  
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51. Portal J.C., J.Cisowski, R.J.Nicholas, M.A.Brummell, M.Razeghi and M.A.Poisson  
*Two-dimensional magnetophonon oscillations (I) in GaInAs-InP superlattices*  
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52. Portal J.C., R.J.Nicholas, M.A.Brummell, M.Razeghi and M.A.Poisson  
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71. Nicholas R.J., L.C.Brunel, S.Huant, K.Karrai, J.C.Portal, M.A.Brummell, M.Razeghi, K.Y.Cheng and A.Y.Cho  
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