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Dr. Tos T.J.M. Berendschot is senior researcher at the University Eye Clinic Maastricht. He studies the functional morphology of the human retina by noninvasive optical techniques. He has an outstanding expertise in (spectroscopic) imaging of the human retina, analysis of clinical data and physiological models. Recent work involves epidemiological studies on the relation between nutrition, macular pigment and age-related eye diseases.

Memberships

Chairman of the Dutch Ophthalmic Physics Society
Member of the Netherlands' Society for Biophysics and Biomedical Engineering
Member of the Dutch Ophthalmic Society (NOG; Nederlands Oogheelkundig Gezelschap)
Member of the Dutch Macular Degeneration Study Group
Member of the Dutch Society for Microcirculation and Vascular Biology (MiVaB)
Member of the Dutch Society of Clinical Physicists (NVKF)
Member of the Dutch Physics Society (NNV)
Member of the International Macula and Nutrition Group
Member of the International Carotenoid Society
Member of European Association for Vision and Eye Research (EVER)
Member of Association for Research in Vision and Ophthalmology (ARVO)
Member of the Applied Vision Association (AVA)
Member of the Optical Society of America (OSA)
Member of the European Optical Society (EOS)
Member of the European Vision Institute EEIG

Reviewer for the following journals and societies

Applied Optics
American Journal of Clinical Nutrition
Archives of Biochemistry and Biophysics
BioMedical Engineering
Graefes Archives of Clinical and Experimental Ophthalmology
IEEE Transactions on Medical Imaging
Investigative Ophthalmology & Visual Science
Journal of Biomedical Optics
Journal of the Optical Society of America
Ophthalmic and Physiological Optics
Optics Express
The Open Ophthalmology Journal
Vision Research

Patents

- J. Nelissen & TTJM Berendschot . Method of producing egg yolk based functional food product and products obtainable thereby
- J van de Kraats, D van Norren & TTJM Berendschot. Reflectometry instrument and method for measuring macular pigment
- J van de Kraats, TTJM Berendschot & NPA Zagers. Apparatus and method for measurement of specific characteristics of eyes. Patent WO2002NL00290 20020502[WO02087427]

Publications

- T.T.J.M. Berendschot, J. Plat, A. de Jong & R.P. Mensink. A decrease in serum carotenoid concentrations, as caused by long-term plant stanol and sterol ester enriched functional food consumption has no impact on the macular pigment. *Brit. J. Nutr.* In press
- R. van der Veen, T.T.J.M. Berendschot, F. Hendrikse, D. Carden & I.J. Murray. Desktop Macular Pigment Optical Density measurement; a new approach based on Heterochromatic FlickerPhotometry. *Ophthalmic Physiol Opt.* In press
- F. Goezinne, E.C. La Heij, T.T.J.M. Berendschot, N.G.Tahzib, L.S. Koetsier, J.G.M.M. Hoevenaars, A.T.A. Liem, A. Kijlstra, C.A.B. Webers & F. Hendrikse. Patient ignorance is the main reason for treatment delay in primary rhegmatogenous retinal detachment in The Netherlands. *Eye* (2008)
- I.V. Sasim, T.T.J.M. Berendschot, C. van Isterdael & M.P. Mourits. Planning health care for patients with Graves' orbitopathy. *Graefes Arch.Clin.Exp.Ophthalmol.* **246**, 1315-1321 (2008)
- H.M. Helb, P.C. Issa, R. van der Veen, T.T.J.M. Berendschot, H.P.N. Scholl & F.H. Holz. Abnormal macular pigment distribution in type 2 Macular Telangiectasia. *Retina* **28**, 808-816 (2008)
- M.J. Kanis, R. P.L. Wisse, T.T.J.M. Berendschot, J. van de Kraats & D. van Norren. Foveal cone-photoreceptor integrity in aging macula disorder. *Invest. Ophthalm. Vis. Sc.* **49**, 2077-2081 (2008)
- F. Goezinne, E.C. La Heij, T.T.J.M. Berendschot, S.T.J.M Gast, A.T.A. Liem, I.L. Lundqvist & F. Hendrikse. Low redetachment rate due to encircling elements in Giant Retinal Tears treated with vitrectomy and silicone oil. *Retina* **28**, 485-492 (2008)
- P.C. Issa, T.T.J.M. Berendschot, F.H. Holz, G. Staurenghi & H.P.N. Scholl. Confocal blue-reflectance imaging in type 2 idiopathic macular telangiectasia. *Invest. Ophthalm. Vis. Sc.* **49**, 1172-1177 (2008)
- T. Theelen, T.T.J.M. Berendschot, C.J. Boon, C.B. Hoyng & B.J. Klevering. Analysis of visual pigment by fundus autofluorescence. *Exp. Eye Res.* **86**, 296-304 (2008)
- T.T.J.M. Berendschot, J. Plat & A. Kijlstra. Beter blijven zien dankzij verrijkte eieren. *Voeding Nu* **9**, 10:9-11 (2007)
- F. Goezinne, E.C. La Heij, T.T.J.M. Berendschot, A.T.A. Liem & F. Hendrikse. Risk factors for redetachment and worse visual outcome after silicone oil removal in eyes with complicated retinal detachment. *Eur J Ophthalmol.* **17**, 627-637 (2007)

- M.B. Plaisier, D.M.D.S. Sie-Go, T.T.J.M. Berendschot, E.J. Petersen & M.P. Mourits. Ocular adnexal lymphoma classified using the WHO classification: not only histology and stage, but also gender is a predictor of outcome. *Orbit* **26**, 83-88 (2007)
- M.J. Kanis, T.T.J.M. Berendschot & D. van Norren. Influence of macular pigment and melanin on incident early AMD in a white population. *Graefes Arch.Clin.Exp.Ophthalmol.* **245**, 767-773 (2007)
- T.T.J.M. Berendschot, R.L.P. van der Veen, D. Carden, D. van Norren & I.J. Murray. Desktop macular pigment optical density measurement; a new approach based on heterochromatic flickerphotometry. *Invest. Ophthalm. Vis. Sc.* **48**, 2138 (2007)
- M.J. Kanis, T.T.J.M. Berendschot & D. van Norren. Interocular agreement in melanin and macular pigment optical density. *Exp. Eye Res.* **84**, 934-938 (2007)
- N.Vidovič-Valentičič, T.T.J.M. Berendschot, M. Hawlina, A. Kraut & A. Rothova. The effect of tinted optical filters on visual acuity and contrast sensitivity in patients with inflammatory cystoid macular edema. *Retina* **27**, 483-489 (2007)
- E.C. La Heij, I. Lundqvist, T.T.J.M. Berendschot, E. Hardy , ATA Liem & F. Hendrikse. Intravitreal prednisolon sodium succinate reduces macular edema without intraocular pressure rise. *Am J Ophthalmol.* **143**, 176-178 (2007)
- J. van de Kraats, S. Valen, T.T.J.M. Berendschot & D. van Norren. A small and simple to use spectrometer for measuring macular pigment and lens absorption in the human eye. *J Biomed Opt.* **11**, 064031-064037 (2006)
- K.M. Sijssens, A. Rothova, T.T.J.M. Berendschot & J.H. de Boer. Ocular hypertension and secondary glaucoma in children with uveitis. *Ophthalmology* **113**, 853-859 (2006)
- J. de Boer, T.T.J.M. Berendschot, P.van der Does & A. Rothova. Long-term follow-up of intermediate uveitis in children? *Am J Ophthalmol.* **141**, 616-621 (2006)
- T.T.T.J.M. Berendschot & D. van Norren. Macular pigment shows ring like-structures. *Invest. Ophthalm. Vis. Sc.* **47**, 709-714 (2006)
- Y. Vardizer, T.T.J.M. Berendschot & M.P. Mourits. Exophthalmometers design and its effect on accuracy. *Ophthal. Plas. Reconstr. Surg.* **21**, 427-430 (2005)
- T.T.T.J.M. Berendschot & D. van Norren . On the age dependency of the macular pigment optical density. *Exp. Eye Res.* **81**, 602-609 (2005)
- I.V. Sasim, M.E.L. de Graaf, T.T.J.M. Berendschot, R. Kalmann, C. van Isterdael & M.P. Mourits. Coronal or swinging eyelid decompression for patients with disfiguring proptosis in Graves' Orbitopathy? Comparison of results in one center. *Ophthalmology* **112**, 1310-1315 (2005)
- D. van Norren & T.T.T.J.M. Berendschot. Fast and objective measurement of macular pigment with natural pupil. *Invest Ophthalmol Vis Sc.* **46**, 1786 (2005)
- T.T.T.J.M. Berendschot & D. van Norren. Macular pigment shows ring like structures. *Invest. Ophthalm. Vis. Sc.* **46**, 1774 (2005)
- T.T.T.J.M. Berendschot & D. van Norren. Objective determination of the macular pigment optical density using fundus reflectance spectroscopy. *Arch. Biochem. Biophys.* **430**, 149-155 (2004)
- D. van Norren, J. van de Kraats & T.T.T.J.M. Berendschot. Measuring macular pigment optical density with undilated pupil in one second. *Ophthalmic Res.* **36 suppl 1**, 117 (2004)
- T.T.T.J.M. Berendschot & D. van Norren . Macular pigment shows ring like structures. *Ophthalmic Res.* **36 suppl 1**, 119 (2004)

- T.T.T.J.M. Berendschot & D. van Norren . Macular pigment is independent of age. *Ophthalmic Res.* **36 suppl 1**, 120 (2004)
- A. Rothova, T.T.T.J.M. Berendschot, C. Probst, B. van Kooy & G.S. Baarsma. Birdshot chorioretinopathy: Long-term manifestations and visual prognosis. *Ophthalmology* **111**, 954-959 (2004)
- P. Hardus, W. Verduin, T.T.J.M. Berendschot, G. Postma, J.S. Stilma & C.W.M. van Veelen. Vigabatrin: Four year follow-up of electrophysiology and visual field examination. *Acta Ophthalmol. Scand.* **81**, 459-465 (2003)
- M.E.J. van Velthoven, D. Wittebol-Post, T.T.J.M. Berendschot & M.P. Mourits. Lacrimal duct probing in young children with a congenital lacrimal duct obstruction at the Utrecht University Medical Center: generally an effective treatment. *Ned. Tijdschr. Geneeskd.* **147**, 764-768 (2003)
- A. Rothova, T.T.T.J.M. Berendschot, C. Probst, B. van Kooy & S. Baarsma. Birdshot chorioretinopathy: Long-term manifestations and visual prognosis. VII International Symposium on Ocular Inflammation, Padova-Abano Terme, May 2003
- W.M.R. Broekmans, I.A.A. Klöpping-Ketelaars, J.A. Weststrate, L.B.M. Tijburg, G. van Poppel, A.A. Vink, T.T.J.M. Berendschot, M.L. Bots & F.F.M. Kardinaal. Decreased carotenoid concentrations due to dietary sucrose polyesters do not affect possible markers of disease risk in humans. *J. Nutrition* **133**, 720-726 (2003)
- T.T.T.J.M. Berendschot, P.J. DeLint & D. van Norren. Analysing fundus reflectance - historical and present ideas. *Progr. Ret. Eye. Res.* **22**, 171-200 (2003)
- N.P.A. Zagers, T.T.J.M. Berendschot & D. van Norren. Wavelength dependence of reflectometric cone photoreceptor directionality. *JOSA A* **20**, 18-23 (2003)
- T.T.J.M. Berendschot, W.M.R. Broekmans, W.A.A. Klöpping-Ketelaars, F.F.M. Kardinaal & D. van Norren. Lens aging in relation to nutritional determinants and possible risk factors for age-related cataract. *Arch. Ophthalmol.* **120**, 1732-1737 (2002)
- W.M.R. Broekmans, T.T.J.M. Berendschot, W.A.A. Klöpping-Ketelaars, A.J. de Vries, R.A. Goldbohm, L.B.M. Tijburg, A.F.M. Kardinaal & G. van Poppel. Associations between macular pigment density and serum lutein, serum zeaxanthin and adipose tissue lutein concentrations are stronger in men than in women. *Free Radical Res.* **36**, 63-64 Suppl. S (2002)
- J. Staal, S.N. Kalitzin, M.D. Abrámoff, T.T.J.M. Berendschot, B. van Ginniken & M.A. Viergever. Classifying convex sets for vessel detection in retinal images. Proceedings of the IEEE International Symposium on Biomedical Imaging, 269-272 (2002)
- W.M.R. Broekmans, T.T.J.M. Berendschot, I.A.A. Klöpping-Ketelaars, A.J. de Vries, L.B.M. Tijburg, G. van Poppel & A.F.M. Kardinaal. Macular pigment density in relation to serum and adipose concentrations of lutein and serum concentrations of zeaxanthin. *Am. J. Clin. Nutr.* **76**, 595-603 (2002)
- N.P.A. Zagers, J. van de Kraats, T.T.J.M. Berendschot & D. van Norren. Simultaneous measurement of foveal spectral reflectance and cone-photoreceptor directionality. *Applied Optics* **41**, 4686-4696 (2002)
- T.T.J.M. Berendschot, J.J.M. Willemsse-Assink, P.T.V.M. de Jong & D. van Norren. Macular pigment and melanin in age-related maculopathy in a large population. *Invest. Ophthalm. Vis. Sc* **43**, 1928-1932 (2002)
- E.H. Bosch Driessen, T.T.J.M. Berendschot, J.V. Ongkosuwito & A. Rothova. Ocular toxoplasmosis: clinical survey of 154 patients. *Ophthalmology* **109**, 869-878 (2002)

- J. Ossewaarde-Van Norel, P.R. van Den Biesen, J. van de Kraats, T.T.J.M. Berendschot & D. van Norren. Comparison of fluorescence of sodium fluorescein in retinal angiography with measurements in vitro. *J Biomed Opt* **7**, 190-198 (2002)
- P. Hardus, W.M. Verduin, M.Kamermans, G. Postma, J.S. Stilma, T.T.J.M. Berendschot & C.W.M. van Veelen. The value of electrophysiology results in patients with epilepsy and vigabatrin associated visual field loss. *Acta Ophthalmol. Scand.* **79**, 169-174 (2001)
- N.P.A. Zagers, N.P.A.; T.T.J.M. Berendschot, J. van de Kraats & D. van Norren. A new type of reflectometer: Foveal reflection analyzer. *Invest. Ophthalm. Vis. Sc* **42**, S702 (2001)
- P. Hardus, W. Verduin, M. Engelsman, P.Edelbroek, J.P. Segers, T.T.J.M. Berendschot & J.S. Stilma. Visual field loss associated with vigabatrin: quantification and relation to dosage. *Epilepsia* **42**, 262-267 (2001)
- T.T.J.M. Berendschot, J. van de Kraats & D. van Norren. Wavelength dependence of the Stiles-Crawford effect explained by absorption of back-scattered light from the choroid. *JOSA A* **18**, 1445-1451 (2001)
- P.R. van den Biesen, T.T.J.M. Berendschot, R. Verdaasdonk & D. van Norren. Endoillumination during vitrectomy and phototoxicity thresholds. *Br.J.Ophthalmol.* **84**, 1372-1375 (2000)
- T.T.J.M. Berendschot, R.A. Goldbohm, W.A.A. Klöpping, J. van de Kraats, J. van Norel & D. van Norren. Influence of lutein supplementation on macular pigment, assessed with two objective techniques. *Invest. Ophthalm. Vis. Sc.* **41**, 3322-3326 (2000)
- P. Hardus, W.M. Verduin, G. Postma, J.S. Stilma, T.T.J.M. Berendschot & C.W.M. van Veelen. Long term vigabatrin induced changes in the visual field of patients with temporal lobe epilepsy. *Br.J.Ophthalmol.* **84**, 788-790 (2000)
- J. Kremers, H.P.N. Scholl, H. Knau, T.T.J.M. Berendschot, T. Usui & L.T. Sharpe. L/M cone ratios in human trichromats assessed by psychophysics, electroretinography and retinal densitometry. *JOSA A* **17**, 517-526 (2000)
- P. Hardus, W.M. Verduin, G. Postma, J.S. Stilma, T.T.J.M. Berendschot & C.W.M. van Veelen. Concentric contraction of the visual field in patients with temporal lobe epilepsy and its association with the use of vigabatrin medication. *Epilepsia* **41**, 581-587 (2000)
- P.J. DeLint, T.T.J.M. Berendschot, J. van de Kraats & D. van Norren. Slow optical changes in human photoreceptors induced by light. *Invest. Ophthalm. Vis. Sc.* **41**, 282-289 (2000)
- P.J. DeLint, J.J. Vos, T.T.J.M. Berendschot & D. van Norren. Comparison of optical Stiles-Crawford effect and retinal densitometry in a clinical setting. *Invest. Ophthalm. Vis. Sc.* **39**, 1519-1523 (1998)
- M. Kok, T.T.J.M. Berendschot & P. Hardus. Screening for glaucoma by general practitioner. *Tropical Medicine and International Health* **3**, 210-213 (1998)
- P.J. DeLint, C. Weissenbruch, T.T.J.M. Berendschot & D. van Norren. Photoreceptor function in unilateral amblyopia. *Vision Research* **38**, 613-617 (1998)
- P.J. DeLint, J.J. Vos, T.T.J.M. Berendschot & D. van Norren. On the Stiles-Crawford effect with age. *Invest. Ophthalm. Vis. Sc.* **38**, 1271-1273 (1997).
- C.W.T.A. Lardenoye, A. van der Lelij, T.T.J.M. Berendschot & A. Rothova. A retrospective analysis of Heparin-surface-modified intraocular lenses versus regular polymethylmethacrylate intraocular lenses in patients with uveitis. *Documenta Ophthalmologica* **92**, 41-50 (1997)
- P.J. DeLint, T.T.J.M. Berendschot & D. van Norren. Local photoreceptor alignment measured with a scanning laser ophthalmoscope. *Vision Research* **37**, 243-248 (1997)

- T.T.J.M. Berendschot, P.J. DeLint & D. van Norren. Origin of tapetal-like reflexes in carriers of X-linked retinitis pigmentosa. *Invest. Ophthalmol. Vis. Sc.* **37**, 2716-2723 (1996)
- L. Viña, J.M. Calleja, A. Cros, A. Cantarero, T.T.J.M. Berendschot, J.A.A.J. Perenboom & K. Ploog. Role of excitons in double Raman resonances in GaAs quantum wells. *Physical Review B* **53**, 3975 (1996)
- T.T.J.M. Berendschot, J. v.d. Kraats & D. van Norren. Foveal cone packing and visual pigment density in dichromats. *Journal of Physiology* **492**, 307-314 (1996)
- J. v.d. Kraats, T.T.J.M. Berendschot & D. van Norren. The Pathways of light measured in fundus reflectometry. *Vision Research* **36**, 2229-2247 (1996)
- L. Viña, J.M. Calleja, A. Cros, A. Cantarero, T.T.J.M. Berendschot, J.A.A.J. Perenboom & K. Ploog. Magneto-Raman resonances in quantum wells: Excitonic effects. In: *Physica B*, **211** (1-4), p. 447-450 (1995)
- H.P. van der Meulen, J.A.A.J. Perenboom, T.T.J.M. Berendschot, J. Cors, M. Decroux & Ø. Fischer. Specific heat of PbMo_6S_8 in high magnetic field. In *Physica B*, **211**(1-4), p. 269-271 (1995)
- L. Viña, J.M. Calleja, A. Cros, A. Cantarero, T.T.J.M. Berendschot, J.A.A.J. Perenboom & K. Ploog. Double Raman resonances in semiconductor quantum wells: Excitonic effects. In: *The Physics of Semiconductors*, David J. Lockwood ed. (Wald Scientific, Singapore), p. 967 (1995)
- P.J. DeLint, T.T.J.M. Berendschot & D. van Norren. Measuring objective and subjective photoreceptor orientation in a clinical setting. *Invest. Ophthalmol.* **36**, s938 (1995)
- T.T.J.M. Berendschot, J. v.d. Kraats & D. van Norren. A new model for spectral fundus reflection. *International Ophthalmology* **18** (suppl 1), 6 (1995)
- J.M. Calleja, L. Viña, T.T.J.M. Berendschot, F. Calle, C. López, E. Meseguer, C. Tejedor & J.A.A.J. Perenboom. Double Raman resonances in semiconductor quantum wells induced by high magnetic fields. In: NATO Advanced Study Institutes series. Series E, Applied sciences, **236**, 121-130 (1993)
- F.A.J.M. Driessen, S.M. Olsthoorn, T.T.J.M. Berendschot, L.J. Giling, D.M. Frigo, G.A.C. Jones, D.A. Ritchie & J.E.F. Frost. Fermi-edge-induced magnetophotoluminescence in high-carrier-density single heterojunctions. *Phys. Rev. B* **47**, 1282-1291 (1993)
- E. Brück, H.P. van der Meulen, A.A. Menovsky, F.R. de Boer, P.F. de Châtel, J.J.M. Franse, J.A.A.J. Perenboom, T.T.J.M. Berendschot, H. van Kempen, L. Havela & V. Sechovský. Specific heat of UNiAl in high magnetic fields. *J. of Magnetism and Magnetic Materials* **17**, 104-107 (1992)
- F.A.J.M. Driessen, S.M. Olsthoven, T.T.J.M. Berendschot, H.P. Pen, L.J. Giling, G.A.C. Jones, D.A. Ritchie & J.E.F. Frost. Influence of magnetic fields on an extremely narrow exciton line in a high carrier density heterojunction. *Phys. Rev. B* **45**, 11823-11828 (1992)
- H.J.A. Bluysen & T.T.J.M. Berendschot. Drempeelstroom van een quantum dots laser gesimuleerd door een quantum dot laser in een sterk magnetisch veld. Botsbrief, NNV sectie Atoomfysica en Quantumelectronica **32**, 13-18 (1991)
- H.P. van der Meulen, A. de Visser, J.J.M. Franse, T.T.J.M. Berendschot, J.A.A.J. Perenboom, H. van Kempen, A. Lacerda, P. Lejay & J. Flouquet. Field suppression of the heavy-fermion state in CeRu_2Si_2 . *Phys. Rev. B* **44**, 814 (1991)
- P.C.M. Christianen, H.A.J.M. Reinen, T.T.J.M. Berendschot & H.J.A. Bluysen. Energy relaxation of hot 2D carriers in strong magnetic fields due to optical and acoustic phonons. *Superlattices and Microstructures* **9**, 323-326 (1991)

- H.J.A. Bluysen & T.T.J.M. Berendschot. Studie van de dynamica van hete fotogeciteerde ladingsdragers in (Ga,Al)As halfgeleider materialen en structuren mbv (sub)picoseconde fotoluminescentie. Botsbrief, NNV sectie Atoomfysica en Quantumelectronica **31**, 1-4 (1990)
- P. Hermann, L. Schellenberg, J. Zuccone, B. Seeber, D. Cattani, J. Cors, M. Decroux, Ø. Fischer, C.J. Beers, T.T.J.M. Berendschot & J.A.A.J. Perenboom. Extrinsic limitation of the critical current in PbMo₆S₈ wires. Proceedings of the International Conference of Materials for Applied Superconductivity, Grenoble (1990)
- H.A.J.M. Reinen, T.T.J.M. Berendschot, P.C.M. Christianen, H.J.A. Bluysen, K. Ploog & M.R. Leys. Hot-electron magnetophonon resonances in doped and undoped GaAs/(Ga,Al)As quantum wells studied using photoluminescence. in: *Solid-State Electronics* **32**, 1315-1319 (1989)
- T.T.J.M. Berendschot, H.A.J.M. Reinen & H.J.A. Bluysen. Wavelength and threshold current of a quantum well laser in a strong magnetic field. *Appl. Phys. Lett.* **54**, 1827-1829 (1989)
- H.A.J.M. Reinen, T.T.J.M. Berendschot, P.C.M. Christianen & H.J.A. Bluysen. Cooling and radiative recombination of resonantly excited 2D carriers in magnetic fields up to 25 T studied using picosecond time resolved photoluminescence. *Superlattices and Microstructures* **5**, 455-458 (1989)
- T.T.J.M. Berendschot, H.A.J.M. Reinen, P.C.M. Christianen & H.J.A. Bluysen. Temperature and magnetic field dependence of the lifetime of resonantly excited 2D carriers in magnetic fields up to 25 T studied using picosecond time resolved photoluminescence. In: High Magnetic Fields in Semiconductor Physics II (Editor G. Landwehr), Springer Series in Solid-State Sciences **87**, 309-312 (1989)
- R.W.J. Hollering, T.T.J.M. Berendschot, H.J.A. Bluysen, H.A.J.M. Reinen, P. Wyder & F. Roozeboom. Energy relaxation of lower dimensional hot carriers studied with picosecond photoluminescence. *Phys. Rev. B* **38**, 13323-13334 (1988)
- H.A.J.M. Reinen, T.T.J.M. Berendschot, R.J.M. Kappert & H.J.A. Bluysen. Electron-phonon interaction of a two dimensional electron gas in a strong magnetic field. *Solid State Comm.* **65**, 1495-1499 (1988)
- T.T.J.M. Berendschot, H.A.J.M. Reinen & H.J.A. Bluysen. Density of states of a two dimensional electron gas in a high magnetic field studied with photoluminescence. *Solid State Comm.* **63**, 873-876 (1987)
- R.W.J. Hollering, T.T.J.M. Berendschot, H.J.A. Bluysen, H.J.A.M. Reinen & P. Wyder. Energy relaxation of hot carriers in GaAs in a strong magnetic field studied with picosecond photoluminescence. In: High Magnetic Fields in Semiconductor Physics (Editor G. Landwehr), Springer Series in Solid-State Sciences **71**, 466-469 (1987)
- R.W.J. Hollering, T.T.J.M. Berendschot, H.J.A. Bluysen, H.A.J.M. Reinen & P. Wyder. Energy relaxation of lower dimensional hot carriers studied with picosecond photoluminescence. Proceedings of the International Conference on the Physics of Semiconductors, Stockholm (1986)
- R.W.J. Hollering, T.T.J.M. Berendschot, H.J.A. Bluysen, P. Wyder, M. Leys & J. Wolter. Relaxation of hot two dimensional carriers in a strong magnetic field studied with picosecond photoluminescence. *Solid State Comm.* **57**, 527-530 (1986)
- R.W.J. Hollering, T.T.J.M. Berendschot, H.J.A. Bluysen, P. Wyder, M. Leys & J. Wolter. Effect of a strong magnetic field on the relaxation of a hot 2D electron-hole plasma studied with picosecond photoluminescence. *Physica* **134B**, 422-425 (1985)