
Related publications

Journals

X-ray induced fluorescence measurement of segregation in a DyI₃ÚHg metal-halide lamp
Nimalasuriya T, Curry J J, Sansonetti C J, Ridderhof E J, Shastri S D, Flikweert A J, Stoffels W W, Haverlag M and van der Mullen J J A M 2007 Journal of Physics D **40** 2831

Axial segregation in metal-halide lamps under gravity conditions ranging from 1g to 10g
Nimalasuriya T, Thubé G M, Flikweert A J, Haverlag M, Kroesen G M W, Stoffels W W and van der Mullen J J A M 2007 Journal of Physics D **40** 2839

X-ray absorption of the Hg density distribution in a metal-halide lamp
Nimalasuriya T, Zhu X, Ridderhof E J, Haverlag M, Denisova N, Stoffels W W and van der Mullen J J A M 2007 submitted for publication in Journal of Physics D

Metal-halide lamps in micro-gravity, experiment and model
Nimalasuriya T, Beks M L, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W and van der Mullen J J A M 2007 submitted for publication in Journal of Physics D, Special Issue

X-ray absorption of the Hg density in a commercial lamp
Nimalasuriya T, Zhu X, Ridderhof E J, Beks M L, Haverlag M, Denisova N, Stoffels W W, van der Mullen J J A M 2007 submitted for publication in Journal of Physics D, Special Issue

Optical emission spectroscopy of metal-halide lamps: radially resolved atomic state distribution functions of Dy and Hg
Nimalasuriya T, Pupat N B M, Flikweert A J, Stoffels W W, Haverlag M and van der Mullen J J A M 2006 Journal of Applied Physics. **99** 053302

Metal halide lamps in the international space station ISS
Nimalasuriya T, Flikweert A J, Haverlag M, van der Mullen J J A M, Kemps P C M, Kroesen G M W, Stoffels W W and van der Mullen J J A M 2006 Journal of Physics D

Axial segregation in high intensity discharge lamps measured by laser absorption spectroscopy,

Flikweert A J, Nimalasuriya T, Groothuis C H J M, Kroesen G M W and Stoffels W W 2005 Journal of Applied Physics **98** 073301

Axial segregation in metal-halide lamps under varying gravity conditions during parabolic flights

Flikweert A J, van Kemenade M, Nimalasuriya T, Haverlag M, Kroesen G M W and Stoffels W W 2006 Journal of Physics D **39**, 1599

Imaging Laser Absorption Spectroscopy of the metal-halide lamp in a centrifuge (1-10g)

Flikweert A J, Nimalasuriya T, Stoffels W W and Kroesen G M W 2007 Plasma Sources Science and Technology **16** 606

Colour segregation in metal-halide lamps: experimental and numerical investigations

Brok W J M, Nimalasuriya T, Hartgers A, Beks M L, Haverlag M, Stoffels W W, van der Mullen J J A M 2006 High temperature materials processing **10** (4) 571-582

Metal halide lamps: gravitational influence on color separation

Stoffels W W, Flikweert A J, Nimalasuriya T, van der Mullen J J A M, Kroesen G M W and Haverlag M 2006 Pure and Applied Chemistry **78** (6) 1239-1252

Discharges for lighting

Stoffels W W, Nimalasuriya T, Flikweert A J and Mulders H C J, accepted for publication in Plasma Physics and Controlled fusion.

X-ray absorption tomography of a high-pressure metal-halide lamp with a bended arc due to Lorentz-forces

Denisova N, Haverlag M, Ridderhof E J, Nimalasuriya T and van der Mullen J J A M accepted for publication in Journal of Physics D.

Invited Lectures

Optical and X-ray Diagnostics of Metal-Halide Lamps Nimalasuriya T, Thubé G M, Pupat N B M, Curry J J, Sansonetti C J, Ridderhof E J, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W and Van der Mullen J J A M, COST 529 Meeting, Mierlo, The Netherlands, March 30-April 2 2006

Conference contributions

Radial and axial segregation in metal-halide lamps under gravity conditions from 0-10g, Nimalasuriya T, Thubé G M, Pupat N B M, Curry J J, Sansonetti C J, Ridderhof E J, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W and Van der Mullen J J A M, 11th international symposium on the science and technology of light sources May 20th-24th 2007, Shanghai, China, oral contribution

Radial Segregation and helical instabilities in metal-halide HID lamps studied under micro-gravity conditions in the international space station
Nimalasuriya T, Haverlag M, Keijser R, Kuipers A, Stoffels W W, Van der Mullen J J A M and Kroesen G M W
11th international symposium on the science and technology of light sources May 20th-24th 2007, Shanghai, China, poster contribution

X-ray induced fluorescence measurement of the additive and Hg densities in a metal-halide lamp
Nimalasuriya T, Curry J J, Sansonetti C J, Ridderhof E J, Flikweert A J, Stoffels W W, Haverlag M and Van der Mullen J J A M
11th international symposium on the science and technology of light sources May 20th-24th 2007, Shanghai, China, poster contribution

Emission Spectroscopy of Metal Halide Lamps under Normal and Microgravity conditions
Nimalasuriya T, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W, Van der Mullen J J A M, 7th Euregional WELTPP, Rolduc (Kerkrade), Netherlands, poster contribution (2004)

Additive density distributions and temperature profiles of metal-halide lamps in the International Space Station
Nimalasuriya T, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W, Van der Mullen J J A M, 8th Euregional WELTPP, Rolduc (Kerkrade), Netherlands, oral contribution (2005)

Emission Spectroscopy of Metal Halide Lamps under Normal and Microgravity conditions
Nimalasuriya T, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W, Van der Mullen J J A M, XVII NNV/CPS-Symposium on Plasma Physics and Radiation Technology Lunteren, Netherlands, poster contribution (2005)

Absolute line intensity measurements of the density distribution of Dy in a metal-halide lamp
Nimalasuriya T, Pupat N B M, Flikweert A J, Stoffels W W, Haverlag M, Van der Mullen J J A M, XXVIII ICPIG 2005, Veldhoven, Netherlands, poster contribution (2005)

X-ray induced fluorescence measurement of the density distribution of Dy and Hg in a metal-halide lamp

Nimalasuriya T, Curry J J, Sansonetti C J., Ridderhof E J, Flikweert A J, Stoffels W W, Haverlag M, Van der Mullen J J A M, XXVIII ICPIG 2005, Veldhoven, Netherlands, poster contribution (2005)

Additive Density distributions and Temperature profiles of Metal-Halide lamps from zero to hyper-gravity

Nimalasuriya T, Thubé G M, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W, Van der Mullen J J A M, XVIII NNV/CPS-Symposium on Plasma Physics and Radiation Technology Lunteren , Lunteren, Netherlands, oral contribution (2006)

Additive density distributions and temperature profiles of metal-halide lamps measured in the International Space Station and a centrifuge

Nimalasuriya T, Thubé G M, Flikweert A J, Stoffels W W, Haverlag M, Kroesen G M W, Van der Mullen J J A M, , ESCAMPIG XVIII Lecce, Italy, poster contribution (2006)

Miscellaneous

Women in Science

Front of international ad campaign

12 September 2005

Future lamps in space

Lecture, Publieksdag Technische Universiteit Eindhoven

02 October 2005

Steek je licht op in de ruimte

Interview, Eindhovens Dagblad EDTV, www.eindhovensdagblad.nl/video

24 May 2006