University of Groningen

Photoinduced electron-transfer in perylenediimide triphenylamine-based dendrimers

Fron, Eduard; Pilot, Roberto; Schweitzer, Gerd; Qu, Jianqiang; Herrmann, Andreas; Müllen, Klaus; Hofkens, Johan; Auweraer, Mark Van der; Schryver, Frans C. De

Published in:
Photochemical & Photobiological Sciences

DOI:
[10.1039/b718479d](https://doi.org/10.1039/b718479d)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2008

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Fron, E., Pilot, R., Schweitzer, G., Qu, J., Herrmann, A., Müllen, K., Hofkens, J., Auweraer, M. V. D., & Schryver, F. C. D. (2008). Photoinduced electron-transfer in perylenediimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy. *Photochemical & Photobiological Sciences*, 7, 597-604. <https://doi.org/10.1039/b718479d>

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Photoinduced electron-transfer in perylenediimide triphenylamine-based dendrimers: single photon timing and femtosecond transient absorption spectroscopy

Eduard Fron,^a Roberto Pilot,^a Gerd Schweitzer,^a Jianqiang Qu,^b Andreas Herrmann,^b Klaus Müllen,^b Johan Hofkens,^a Mark Van der Auweraer^{a*} and Frans C. De Schryver^{a*}

^aDepartment of Chemistry and Institute of Nanoscale Physics and Chemistry, Katholieke Universiteit Leuven, Celestijnenlaan 200 F, 3001 Heverlee, Belgium;

^bMax-Planck-Institute for Polymer Research, Ackermannstrasse 10, 55128 Mainz, Germany.

(*) Corresponding authors

Supporting Information Available

Fig. 1 SI. Time-resolved monochromatic transient absorption traces and the corresponding fits of **PDI1N₈** in toluene recorded in 1400 ps time window at different detection wavelengths as indicated in the figure.

Fig. 2 SI. Time-resolved monochromatic transient absorption traces and the corresponding fits of **PDI2N₁₆** in toluene recorded in 1400 ps time window at different detection wavelengths as indicated in the figure.