Intramolecular triplet-state quenching as a general method for photostabilization
van der Velde, Jasper Hendrik Martinus

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:
2016

Link to publication in University of Groningen/UMCG research database

Citation for published version (APA):

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).

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.
Curriculum Vitae

Jasper van der Velde was born on the 24th of September 1988 in Arnhem, the Netherlands. He grew up in Valburg being part of a family with two younger brothers. In 2007 he graduated from VWO (high school) at the Canisius College in Nijmegen. He then moved to Groningen, the Netherlands, where he started his Bachelor studies in chemistry at the University of Groningen which he finished in 2010 with a research project on the electrochemical switching of conductance with diarylethene-Based redox-active polymers in the research group of Prof. dr. W. R. Browne. Subsequently, he was admitted to the "Top-Master programme in Nanoscience" at the University of Groningen. During this period he did an internship in the research group of Prof. dr. C.H. van Wal working on the understanding of the kondo effects from emergent localization in quantum point contacts. He finished the Masters degree "Cum Laude (with distinction)" in 2012 with a research project on the built-in control of fluorescence at the single molecule level in the group of dr. T. Cordes and Prof. dr. A.M van Oijen, where he established the basis for his future PhD. work. During his PhD. his main focus was on the understanding and development of photostabilization of synthetic organic fluorophores via intramolecular means. During his PhD. he also joined the lab of Prof. dr. S.A. Blum at the University of California Irvine (UCI) to work on the observation and study of metal-catalyzed cross coupling reactions using single-molecule fluorescence techniques.
Peer Reviewed Publications


Conference Contributions

International Discussion Meeting; Förster Resonance Energy Transfer in life sciences, FRET2, Goettingen 2016, selected talk, Enhancing single-molecule FRET studies with photostabilizer-dye conjugates J. H. M. van der Velde, J. Oelerich, J. Huang, J. H. Smit, A. Aminian Jazi, S. Galiani, K. Kolmakov, G. Guoridis, C. Eggeling, A. Herrmann, G. Roelfes and T. Cordes


Annual Dutch Meeting on Molecular and Cellular Biophysics 2013, selected talk, Mechanism of Intramolecular Photostabilization in Self-Healing Cyanine Fluorophores, J. H. M. van der Velde, J. Oelerich, E. Ploetz, G. Roelfes and T. Cordes


Bi-annual Zernike Institute for Advanced Materials meeting, Vlieland 2013, selected talk, Ultrastable organic fluorophores for single-molecule and superresolution microscopy via proximity of single oxidizing and reducing compounds, J. H. M. van der Velde, J. Oelerich, E. Ploetz, M. Hiermaier, G. Roelfes and T. Cordes

Annual Dutch Meeting on Molecular and Cellular Biophysics 2012, poster presentation, Chemical reactions and organometallic catalysis on the level of single molecules, J. H. Smit, J. H. M. van der Velde, D. K. Prusty, J. Huang, A. Herrmann and T. Cordes