

## Publication List of Dr. Michael Maus

1. M.S. Gudipati, J. Daverkausen, M. Maus, G. Hohlneicher; Chem. Phys. 186 (1994), 289-301.  
*Higher electronically excited states of phenantrene, carbazole and fluorene*
2. M.S. Gudipati, M. Maus, J. Daverkausen, G. Hohlneicher; Chem. Phys. 192 (1995), 37-47.  
*Higher excited states of aromatic hydrocarbons. III. Assigning the in-plane polarized transitions of low-symmetry molecules: chrysene and E-stilbene*
3. M. Maus, W. Rettig, R. Lapouyade; J. Inf. Rec. 22 (1996), 451-456.  
*Photodynamics of a pretwisted donor-acceptor biphenyl*
4. A. Onkelinx, F.C. De Schryver, L. Viane, M. Van der Auweraer, K. Iwai, M.; Yamamoto, M. Ichikawa, H. Masuhara, M. Maus, W. Rettig; J. Am. Chem. Soc. 118 (1996), 2892-2902.  
*Radiative Depopulation of the Excited Intramolecular Charge-Transfer State of 9-(4-(N,N-Dimethylamino)phenyl) phenantrene*
5. W. Rettig, M. Maus, R. Lapouyade; Ber. Bunsenges. Phys. Chem. 100 (1996), 2091-2096.  
*Conformational Control of Electron Transfer States: Induction of Molecular Photodiode Behaviour*
6. M. Maus, W. Rettig; Eurosun 96, Proceedings, 520-524.  
*Donor-Acceptor Biaryls Dyes as New Candidates for Application in Fluorescence Solar Concentrators*
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8. M. Maus, W. Rettig; J. Inf. Rec., 24 (1998), 461-468.  
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10. M. Maus, W. Rettig, S. Depaemelaere, A. Onkelinx, F. C. De Schryver, K. Iwai; Chem. Phys. Lett. 292 (1998), 115-124.  
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11. M. Maus, Dissertation.com, Parkland, 1998, ISBN 1-58112-030-3.  
*Photoinduced Intramolecular Charge Transfer in Donor-Acceptor Biaryls and Resulting Applicational Aspects Regarding Fluorescent Probes and Solar Energy Conversion*
12. M. Maus, W. Rettig, D. Bonafoux, R. Lapouyade; J. Phys. Chem. 103, (1999), 3388-3401.  
*Photoinduced Intramolecular Charge Transfer in a Series of Differently Twisted Donor-Acceptor Biphenyls as Revealed by Fluorescence*
13. J. Hofkens, L. Latterini, G. De Belder, T. Gensch, M. Maus, T. Vosch, Y. Karni, G. Schweitzer, and F.C. De Schryver; Chem. Phys. Lett. 304 (1999), 1-9.  
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14. Y. Karni, S. Jordens, G. De Belder, G. Schweitzer, J. Hofkens, T. Gensch, M. Maus, F. C. De Schryver, A. Herrmann, K. Müllen., *Chem Phys Lett.* 310 (1999)73-78.  
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17. W. Rettig, M. Maus, in: *Methods in Stereochemical Analysis Series, Vol. „Conformational Analysis of Molecules in Excited States“*, ed. Jacek Waluk, Wiley-VCH, New York, 2000, ISBN 0-471-29707-0, 1-55.  
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18. W. Rettig, V. Kharlanov and M. Maus, *Chem. Phys. Lett.* 318 (2000), 173-180  
*Excited-state relaxation properties of ionic and nonionic donor-acceptor biphenyl derivatives*
19. M.Maus, K. Rurack, *New. J. Chem.* 9 (2000) 677-686.  
*Monitoring pH and Solvent Proticity with Donor–Acceptor-Substituted Biphenyls: A New Approach Towards Highly Sensitive and Powerful Fluorescent Probes by Tuning the Molecular Structure*
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21. M. Maus and W. Rettig, *Chem. Phys.* 261 (2000), 323-337.  
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22. M. Maus, E. Rousseau, M. Cotlet, J. Hofkens, G. Schweitzer, M. van der Auweraer, F. C. De Schryver, A. Krueger, *Review of Scientific Instruments*, 72 (2001) 36-40.  
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23. J. Hofkens, T. Vosch, M. Maus, F. Köhn, M. Cotlet, T. Weil, A. Herrmann, K. Müllen and F.C. De Schryver ,*Chem Phys. Lett.*333 (2001) 255-263  
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24. M. Maus; M. Cotlet; J. Hofkens; T. Gensch, F. C. De Schryver, J. Schaffer, C.A.M. Seidel, *Analytical Chemistry* 73 (2001) 2078-2086.  
*An Experimental Comparison of the Maximum Likelihood Estimation and Nonlinear Least-Squares Fluorescence Lifetime Analysis of Single Molecules*
25. M. Maus, S. Mitra, M. Lor, J. Hofkens, T. Weil, A. Herrmann, K. Müllen, F.C. De Schryver, *J. Phys. Chem.*, 105 (2001) 3961-3966.  
*Intramolecular Energy hopping in polyphenylene dendrimers with an increasing number of peryleneimide chromophores*
26. M.Cotlet, J. Hofkens, M. Maus, T. Gensch, M. Van der Auweraer, J. Michiels, G. Dirix, M. Vanguyse, J. Vanderleyden, A.J.W.G. Visser, F.C. De Schryver *J. Phys. Chem.*, B, 105 (2001) 4999-5006.  
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29. M. Maus, R. De, M. Lor, T.Weil, S. Mitra, U.-M. Wiesler, A. Herrmann, J. Hofkens, T. Vosch, K. Müllen, F.C. De Schryver, *J.Am.Chem.Soc.* 123 (2001) 7668-7676.  
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30. M. Maus and W. Rettig, *Phys. Chem. Chem. Phys* 3 (2001) 5430-5437.  
*Comparison of the Bandshape and Lifetime Data Analysis of Temperature-Dependent Fluorescence Measurements. A new Approach to Reveal an Excited State Conformational Equilibrium.*
31. M. Maus and W. Rettig, *J. Phys. Chem. A.* 12 (2002) 2104-2111.  
*The Excited State Equilibrium Between Two Rotational Conformers of a Sterically Restricted Donor-Acceptor Biphenyl as Characterised by Global Fluorescence Decay Analysis*
32. M. Cotlet, J. Hofkens, M. Maus and F. C. De Schryver in *Methods and Applications of Fluorescence Spectroscopy, Imaging and Probes: New Tools in Chemical, Physical and Life Sciences*, Springer-Verlag Heidelberg, 2002, ISBN ..., in press  
*Multiparametric Detection of Fluorescence Emitted from Individual Multichromophoric Systems*

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In Preparation:

33. M.Maus, M.Cotlet, J. Hofkens, T. Gensch, F.C.DeSchryver, in preparation  
*Simultaneous Measurements of Single Molecule Fluorescence Spectra, Decay Times and Intensity Trajectories as a Tool for Photophysical Studies*
34. M.Maus, J.Hofkens, S.Mitra, L.Latterini, T.Vosch, T.Gensch, F.C.DeSchryver, A.Herrmann, K.Müllen, in preparation for *J. Phys. Chem.*  
*Energy Transfer and Excimer-type Interactions within Multichromophoric Dendrimers of Different Generations*