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A computational study on the nature of DNA G-quadruplex structure

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List of Publications

The papers related to this thesis are highlighted as black.

- **K. G. Moghaddam**, S. Faraji, A. H. de Vries and S. J. Marrink, *On the nature of interactions between the DEAH-box helicase RHAU and G-quadruplex*, **2020**, in preparation.
- **K. G. Moghaddam**, G. Giudetti, W. Sipma and S. Faraji, *Theoretical insights into the effect of size and substitution patterns of azobenzene derivatives on the DNA G-quadruplex*, *Phys. Chem. Chem. Phys.*, **2020**, 22, 26944.
- **K. G. Moghaddam**, A. H. de Vries, S. J. Marrink and S. Faraji, *Binding of quinazolinones to c-KIT G-quadruplex; an interplay between hydrogen bonding and π - π stacking*, *Biophys. Chem.*, **2019**, 253, 106220.
- A. Khorsandi-Langol, **K. G. Moghaddam** and S. M. Hashemianzadeh, *Tuning of elastic properties of nanotubes by imposing a transverse electric field: computational approach*, *J. Phys. Chem. C.*, **2016**, 120, 17801.
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