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## Optical preparation and detection of spin coherence in molecules and crystal defects

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DOI:  
[10.33612/diss.109567350](https://doi.org/10.33612/diss.109567350)

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

*Publication date:*  
2020

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*Citation for published version (APA):*  
Lof, G. (2020). *Optical preparation and detection of spin coherence in molecules and crystal defects*. University of Groningen. <https://doi.org/10.33612/diss.109567350>

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## List of publications

1. *Evolution of atomic optical selection rules upon gradual symmetry lowering*  
G. J. J. Lof, C. H. van der Wal, R. W. A. Havenith; submitted for publication, available at *arXiv:1810.06355* (2018).
2. *Proposal for time-resolved optical preparation and detection of triplet-exciton spin coherence in organic molecules*  
G. J. J. Lof, X. Gui, R. W. A. Havenith, C. H. van der Wal, *in preparation* (2019).
3. *Proposal for time-resolved optical probing of electronic spin coherence in divacancy defects in SiC*  
C. M. Gilardoni\*, G. J. J. Lof\*, F. Hendriks, R. W. A. Havenith, C. H. van der Wal, *in preparation* (2019).
4. *Identification and tunable optical coherent control of transition-metal spins in silicon carbide*  
T. Bosma\*, G. J. J. Lof\*, C. M. Gilardoni, F. Hendriks, O. V. Zwier, B. Magnusson, A. Ellison, A. Gällström, I. G. Ivanov, N. T. Son, R. W. A. Havenith, C. H. van der Wal; published in *npj Quantum Information* **4**, 48 (2018); also available at *arXiv:1802.06714* (2018).

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