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

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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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