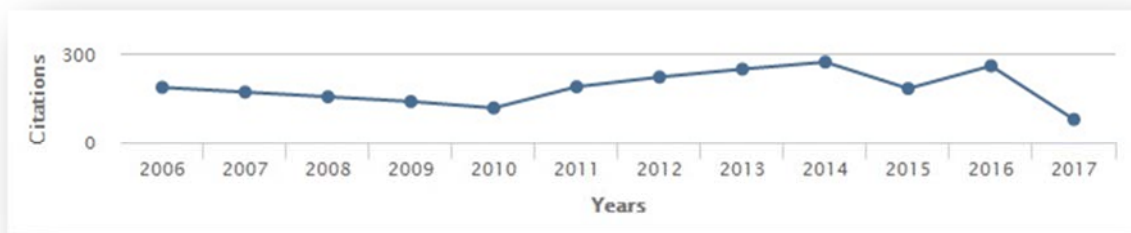


## **Publication List – Prof. Dr. Peter Lemmens – 06/2017**

- More than 260 refereed publications, incl. 10 review articles and books.
- Hirsch Index:  $h \geq 29$ , more than 3000 total citations (Scopus, 07/2016).



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- 1) *Approach to determine measurement uncertainty in complex nanosystems with multiparametric dependencies and multivariate output quantities*, B. Hampel, B. Liu, F. Nording, J. Ostermann, P. Struszewski, J. Langfahl-Klabes, M. Bieler, H. Bosse, P. Lemmens, M. Schilling, R. Tutsch, preprint (2017).
- 2) *Longitudinal magnon, inversion breaking and magnetic instabilities in the pseudo-Kagome francisites  $Cu_3Bi(SeO_3)_2O_2X$  with  $X=Br, Cl$* , V. Gnezdilov, Yu. Pashkevich, V. Kurnosov, P. Lemmens, E. Kuznetsova, P. Berdonosov, V. Dolgikh, K. Zakharov, and A. Vasiliev, arXiv:1604.04249, preprint (2016).
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- 7) *DNA-based Fiber Optic Sensor for Direct In-vivo Measurement of Oxidative Stress*, P. K. Sarkar, A. Haldar, A. Adhikari, N. Polley, S. Darbar, P. Lemmens and S. K. Pal, preprint (2017).
- 8) *Magnetic excitations in the symmetry protected, topological, quasi-one-dimensional Haldane phase of  $SrNi_2V_2O_8$* , V. Gnezdilov, V. Kurnosov, P. Lemmens, Yu. Pashkevich, preprint (2016).

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