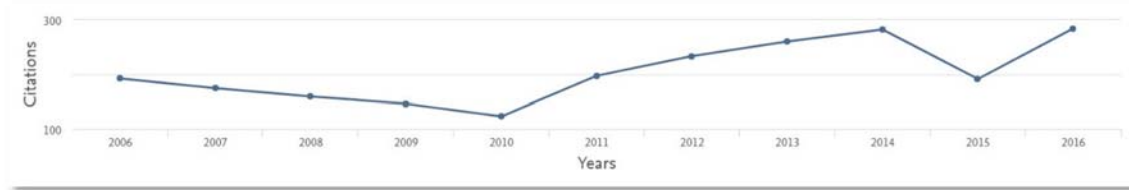


## **Publication List – Prof. Dr. Peter Lemmens – 11/2017**

- More than 260 refereed publications, incl. 10 review articles and books.
- Hirsch Index:  $h \geq 30$ , more than 3500 total citations (Scopus, 07/2017).



### **Preprints**

- 1) *Soft tilt and rotation modes in the hybrid improper ferroelectric  $\text{Ca}_3\text{Mn}_2\text{O}_7$* , A. Glamazda, D. Wulferding, P. Lemmens, B. Gao, S.-W. Cheong, and K.-Y. Choi, preprint (2017).
- 2) *Magnetic excitations in the symmetry protected, topological, quasi-one-dimensional Haldane phase of  $\text{SrNi}_2\text{V}_2\text{O}_8$* , V. Gnezdilov, V. Kurnosov, P. Lemmens, Yu. Pashkevich, preprint (2016).
- 3) *Phase separation in iron chalcogenide superconductor  $\text{Rb}_{0.8+x}\text{Fe}_{1.6+y}\text{Se}_2$  as seen by Raman light scattering and band structure calculations*, Yu. Pashkevich, V. Gnezdilov, P. Lemmens, T. Shevtsova, A. Gusev, K. Lamonova, D. Wulferding, S. Gnatchenko, E. Pomjakushina, K. Conder, arXiv:1604.06825 (2016).
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- 6) *Ultrafast Dynamics in Co-sensitized Photocatalyst under Visible and NIR Light Irradiation*, J. Patwari, A. Chatterjee, S. Sardar, P. Lemmens, and S. K. Pal, preprint (2017).
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- 2) *Method for detecting mercury in an aqueous sample*, S. Chakrabarti, S. K. Pal, P. K. Sarkar, N. Polley, P. Lemmens, 14.6.2016 (2016).

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