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List of Publications

1. **Keshav Kumar**, and Dhananjai Pandey, “Quantum phase transitions in $\text{Ba}_{(1-x)}\text{Ca}_x\text{Fe}_{12}\text{O}_{19}$ ($0 \leq x \leq 0.10$)” **Phys. Rev. B** **96**, 024102 (2017).
2. P. Aravinth Kumar, Arun Kumar, **Keshav Kumar**, G. Anandha Babu, P. Vijayakumar, S. Ganesamoorthy, P. Ramasamy, and Dhananjai Pandey, “Evidence for Spin Glass Transition in Hexagonal DyMnO_3 without Substitutional Disorder” **Journal of Physical Chemistry C** **123**, 20499 (2019).
3. **Keshav Kumar**, Shrawan Kumar Mishra, Ivan Baev, Michael Martins, and Dhananjai Pandey, “Evidence for the coexistence of spin glass and ferrimagnetic phases in single crystals of $\text{BaFe}_{12}\text{O}_{19}$ due to freezing of basal plane spin component” **Chemical Communication** **97**, 14897 (2020).
4. **Keshav Kumar**, Anatoliy Senyshyn and Dhananjai Pandey, “Evidence for emergent kagome-ice configuration with concomitant transverse and longitudinal spin glass freezing in the chemically ordered M-type hexaferrite $\text{BaFe}_{12}\text{O}_{19}$ ” (*revised version to be submitted in PRL/PRB* (2021)).
5. **Keshav Kumar**, Shrawan K. Mishra, Sanjay Singh, Ivan Baev, Michael Martins, Fabio Orlandi, Pascal Manuel and Dhananjai Pandey, “Evidence for Conical Magnetic Structure in M-type $\text{BaFe}_{12}\text{O}_{19}$ Hexaferrite: A Combined Single-Crystal XMCD and Neutron Diffraction Study” (*revised version to be submitted in Physica Status Solidi-RRL* (2021)).