

List of Publications 2022

- [1] J. Agil, R. Battesti, and C. Rizzo, "Vacuum birefringence experiments: optical noise," *The European Physical Journal D* **76**, 192 (2022).
- [2] Muhammad Nadeem Akhtar, Valeriu Mereacre, Ghenadie Novitchi, Murad A. AlDamen, Christopher E. Anson, and Annie K. Powell, "Synthesis, structures, and magnetic properties of $\text{Fe}_4\text{-Ln}_2$ ($\text{Ln} = \text{Tb}, \text{Ho}, \text{and Er}$) clusters with $\text{N}, \text{N}', \text{N}'', \text{N}'''$ -tetrakis-(2-hydroxyethyl)ethylenediamine," *Inorganica Chimica Acta* **537**, 120920 (2022).
- [3] Thomas Andre, Julien Angot, Maud Baylac, Pierre Olivier Dumont, Thierry Lamy, Patrick Sole, Thomas Thuillier, Francois Debray, Ivan Izotov, and Vadim Skalyga, "Status and prospects of the 60 GHz SEISM ion source," *Journal of Physics: Conference Series* **2244**, 012014 (2022).
- [4] Amirreza Ataei, A. Gourgout, G. Grissonnanche, L. Chen, J. Baglo, M.-E. Boulanger, F. Laliberté, S. Badoux, N. Doiron-Leyraud, V. Oliviero, S. Benhabib, D. Vignolles, J.-S. Zhou, S. Ono, H. Takagi, C. Proust, and Louis Taillefer, "Electrons with Planckian scattering obey standard orbital motion in a magnetic field," *Nature Physics* **18**, 1420 (2022).
- [5] Matteo Atzori, Ivan Breslavetz, Kevin Paillot, Geert L. J. A. Rikken, and Cyrille Train, "Role of structural dimensionality in the magneto-chiral dichroism of chiral molecular ferrimagnets," *J. Mater. Chem. C* **10**, 13939–13945 (2022).
- [6] Akshay Balgarkashi, Valerio Piazza, Jakub Jasinski, Riccardo Frisenda, Alessandro Surrente, Michal Baranowski, Mirjana Dimitrievska, Didem Dede, Wonjong Kim, Lucas Guniat, Jean-Baptiste Leran, Andres Castellanos-Gomez, Paulina Plochocka, and Anna Fontcuberta i Morral, "Spatial Modulation of Vibrational and Luminescence Properties of Monolayer MoS₂ Using a GaAs Nanowire Array," *IEEE Journal of Quantum Electronics* **58**, 1–8 (2022).
- [7] Michal Baranowski, Alessandro Surrente, and Paulina Plochocka, "Two Dimensional Perovskites/Transition Metal Dichalcogenides Heterostructures: Puzzles and Challenges," *Israel Journal of Chemistry* **62**, e202100120 (2022).
- [8] Quentin Barthélemy, Albin Demuer, Christophe Marcenat, Thierry Klein, Bernard Bernu, Laura Messio, Matias Velázquez, Edwin Kermarrec, Fabrice Bert, and Philippe Mendels, "Specific Heat of the Kagome Antiferromagnet Herbertsmithite in High Magnetic Fields," *Phys. Rev. X* **12**, 011014 (2022).
- [9] D. J. Campbell, M. Frachet, S. Benhabib, I. Gilmudtinov, C. Proust, T. Kurosawa, N. Momono, M. Oda, M. Horio, K. Kramer, J. Chang, M. Ichioka, and D. LeBoeuf, "Evidence for a Square-Square Vortex Lattice Transition in a High- T_c Cuprate Superconductor," *Phys. Rev. Lett.* **129**, 067001 (2022).
- [10] S. Chicco, E. Garlatti, G. Allodi, A. Chiesa, M. Atzori, L. Sorace, R. De Renzi, R. Sessoli, and S. Carretta, "Coherent manipulation of molecular qubits by broadband NMR," *IL NUOVO CIMENTO* **45C**, 163 (2022).
- [11] Nathan D. Cottam, Jonathan S. Austin, Chengxi Zhang, Amalia Patanè, Walter Escoffier, Michel Goiran, Mathieu Pierre, Camilla Coletti, Vaidotas Mišeikis, Lyudmila Turyanska, and Oleg Makarovskiy, "Magnetic and Electric Field Dependent Charge Transfer in Perovskite/Graphene Field Effect Transistors," *Adv. Electron. Mater.* **n/a**, 2200995 (2022).
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