

Publications in Refereed Scientific Journals

87. K. Hofhuis, A. Hrabec, H. Arava, N. Leo, Y.-L. Huang, R. V. Chopdekar, S. Parchenko, [A. Kleibert](#), S. Koraltan, C. Abert, C. Vogler, D. Suess, P. M. Derlet, and L. J. Heyderman
Thermally Superactive Artificial Kagome Spin Ice Structures Obtained with the Interfacial Dzyaloshinskii-Moriya Interaction
Submitted (2020)
86. A. Ciuciulkaite, K. Mishra, M. V. Moro, I.-A. Chioar, R. Rowan Robinson, S. Parchenko, [A. Kleibert](#), B. Lindgren, G. Andersson, C. Davies, A. Kimel, A. Kirilyuk, and V. Kapaklis
Design of Amorphous Tb_xCo_{100-x} Alloys for All-Optical Magnetization Switching
Submitted (2020), arxiv.org/abs/2002.07544
85. H. Arava, E. Y. Vedmedenko, J. Cui, J. Vijayakumar, [A. Kleibert](#), and L. J. Heyderman
Control of Emergent Magnetic Monopole Currents in Artificial Spin Ice
Submitted (2020)
84. B. Rösner, S. Finizio, F. Koch, F. Döring, V. A. Guzenko, M. Langer, E. Kirk, B. Watts, M. Meyer, J. Loroña Ornelas, A. Späth, S. Stanescu, S. Swaraj, R. Belkhou, T. Ishikawa, T. F. Keller, B. Gross, M. Poggio, R. H. Fink, J. Raabe, [A. Kleibert](#), and C. David
Soft X-Ray Microscopy with Single-Digit Nanometer Resolution
Submitted (2020)
83. M. Saccone, K. Hofhuis, D. Bracher, [A. Kleibert](#), S. van Dijken, and A. Farhan
Elevated Effective Dimension in Tree-Like Nanomagnetic Cayley Structures
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82. M. Wyss, S. Gliga, D. Vasyukov, L. Ceccarelli, G. Romagnoli, J. Cui, [A. Kleibert](#), R. L. Stamps, and M. Poggio
Stray-Field Imaging of a Chiral Artificial Spin Ice During Magnetization Reversal
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81. C. Stamm, C. Murer, Y. Acremann, M. Baumgartner, R. Gort, S. Däster, [A. Kleibert](#), K. Garello, J. Feng, M. Gabureac, Z. Chen, J. Stöhr, and P. Gambardella
X-Ray Spectroscopy of Current-Induced Spin-Orbit Torques and Spin Accumulation in Pt/3d-Transition-Metal Bilayers
Phys. Rev. B **100**, 024426 (2019), DOI: 10.1103/PhysRevB.100.024426,
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80. H. Arava, N. R. Leo, D. Schildknecht, J. Cui, J. Vijayakumar, P. M. Derlet, [A. Kleibert](#), and L. J. Heyderman
Engineering Relaxation Pathways in Building Blocks of Artificial Spin Ice for Computation
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78. R. Kanak, J. Raabe, P. Schifferle, S. Finizio, **A. Kleibert**, J. A. van Bokhoven, and L. Artiglia
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72. C. A. F. Vaz, C. Piamonteze, and **A. Kleibert**
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Single-Shot Monitoring of Ultrafast Processes via X-Ray Streaking at a Free Electron Laser
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