

COMPLETE LIST OF PUBLICATIONS (ORCID 0000-0003-3190-0020)

69. Franz E. Haniel, Lina Hedewig, Hartmut Schröder, Matthias F. Kling, and **Boris Bergues**, *Ion Microscopy with Evolutionary-Algorithm Based Autofocusing*, Engineering Research Express **xx**, pp (2023).
68. Philipp Rosenberger, Ritika Dagar, Wenbin Zhang, Arijit Majumdar, Marcel Neuhaus, Matthias Ihme, **Boris Bergues**, Matthias F. Kling, *Reaction Nanoscopy of Ion Emission from Sub-wavelength Propanediol Droplets*, arXiv:2212.05587 (2022).
67. Weiwei Li, Ahmad Saleh, Manas Sharma, Marek Sierka, Christian Hünecke, Marcel Neuhaus, Lina Hedewig, **Boris Bergues**, Meshaal Alharbi, Abdallah M. Azzeer, Stefanie Gräfe, Matthias F. Kling, Abdullah F. Alharbi, Zilong Wang, *Resonance effects in Brunel harmonic generation in thin film organic semiconductors*, arXiv: 2211.07062 (2022).
66. I. Orfanos, E. Skantzakis, A. Nayak, M. Dumergue, S. Kühn, G. Sansone, M. F. Kling, H. Schröder, **B. Bergues**, S. Kahaly, K. Varju, A. Foremski, L. A. A. Nikolopoulos, P. Tzallas, and D. Charalambidis, *Two-XUV-photon double ionization of neon*, Physical Review A **106**, 043117 (2022).
65. Johannes Blöchl, Johannes Schötz, Ancyline Maliakkal, Natalija Šreibere, Zilong Wang, Philipp Rosenberger, Peter Hommelhoff, Andre Staudte, Paul B. Corkum, **Boris Bergues**, and Matthias F. Kling, *Spatio-temporal sampling of near-petahertz vortex fields*, Optica **9**, 755 (2022).
64. Philipp Rosenberger, Ritika Dagar, Wenbin Zhang, Ana Sousa-Castillo, Marcel Neuhaus, Emiliano Cortes, Stefan A. Maier, Cesar Costa-Vera, Matthias F. Kling, and **Boris Bergues**, *Imaging elliptically polarized infrared near-fields on nanoparticles by strong-field dissociation of functional surface groups*, European Physical Journal D **76**, 109 (2022).
63. Wenbin Zhang, Ritika Dagar, Philipp Rosenberger, Ana Sousa-Castillo, Marcel Neuhaus, Weiwei Li, Sharjeel A. Khan, Ali S. Alnaser, Emiliano Cortes, Stefan A. Maier, Cesar Costa-Vera, Matthias F. Kling, and **Boris Bergues**, *All-optical nanoscopic spatial control of molecular reaction yields on nanoparticles*, Optica **9**, 551 (2022).
62. Ahmad Saleh, Weiwei Li, Hadi.ALQahtani , Marcel Neuhaus , Ali Alshehri, **Boris Bergues**, Meshaal Alharbi, Matthias F. Kling, , Abdallah M.Azzeer, Zilong Wang and Abdullah F. Alharbi, *Fifth-order Nonlinear Optical Response of Alq₃ Thin Films* Results in physics **37**, 105513 (2022).

61. Johannes Schötz, Ancyline Maliakkal, Johannes Blöchl, Dmitry Zimin, Zilong Wang, Philipp Rosenberger, Meshaal Alharbi, Abdallah M. Azzeer, Matthew Weidman, Vladislav S. Yakovlev, **Boris Bergues**, Matthias F. Kling, *The emergence of macroscopic currents in photoconductive sampling of optical fields*, Nature Communications **13**, 962 (2022).
60. Johannes Schötz, Lennart Seiffert, Ancyline Maliakkal, Johannes Blöchl, Dmitry Zimin, Philipp Rosenberger, **Boris Bergues**, Peter Hommelhoff, Ferenc Krausz, Thomas Fennel, and Matthias F. Kling, *Onset of charge interaction in strong-field photoemission from nanometric needle tips*, Nanophotonics **10**, 3769 (2021).
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