

Selected Publications by Univ. Prof. Dr. Markus Arndt

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- J. Schätti, P. Rieser, U. Sezer, G. Richter, P. Geyer, G. G. Rondina, D. Häussinger, M. Mayor, A. Shayeghi, V. Köhler, M. Arndt
[Pushing the mass limit for intact launch and photoionization of large neutral biopolymers](#)
Commun. Chem. 1, 93 (2018)
- C. Brand, B.A. Stickler, C. Knobloch, A. Shayeghi, K. Hornberger, M. Arndt,
[Conformer Selection by Matter-Wave Interference](#),
Phys. Rev. Lett. 121, 173002 (2018).
- M. Debiossac, J. Schätti, M. Kriegleder, P. Geyer, A. Shayeghi, M. Mayor, M. Arndt and V. Köhler
[Tailored photocleavable peptides: Fragmentation and neutralization pathways in high vacuum](#).
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- S. Kuhn, G. Wachter, F. Wieser, J. Millen, M. Schneider, J. Schalko, U. Schmid, M. Trupke, M. Arndt
[Nanoparticle detection in an open-access silicon microcavity](#),
Appl. Phys. Lett. 111, 253107 (2017), selected as **Editor's Pick**
- Kuhn, S.; Stickler, B. A.; Kosloff, A.; Patolsky, F.; Hornberger, K.; Arndt, M.; Millen, J.,
[Optically driven ultra-stable nanomechanical rotor](#).
Nature Communications 8, 1670 (2017)
- J. P. Cotter, C. Brand, C. Knobloch, Y. Lilach, O. Cheshnovsky and M. Arndt
[In search of multipath interference using large molecules](#)
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- L. Mairhofer, S. Eibenberger, J. P. Cotter, M. Romirer, A. Shayeghi, M. Arndt
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- C. Brand, M. Sclafani, C. Knobloch, Y. Lilach, T. Juffmann, J. Kotakoski, C. Mangler, A. Winter, A. Turchanin, J. Meyer, O. Cheshnovsky, M. Arndt
[An atomically thin matter-wave beam splitter](#)
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- M. Arndt & C. Brand
[Interference of atomic clocks](#)
Science 349, 1168-1169 (2015) ; DOI: 10.1126/science.aad0683
- M. Tomandl, T. Mieling, C. Losert-Valiente Kroon, M. Hopf and M. Arndt
[Simulated Interactive Research Experiments as Educational Tools for Advanced Science](#)
Scientific Reports 5, 14108 (2015), DOI: 10.1038/srep14108
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- S. Kuhn, P. Asenbaum, A. Kosloff, M. Sclafani, B. A. Stickler, S. Nimmrichter, K. Hornberger, O. Cheshnovsky, F. Patolsky, and M. Arndt
[Cavity-assisted manipulation of freely rotating silicon nanorods in high vacuum](#)
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- M. Arndt
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