

Publications by
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A) Publications listed in the Science Citation Index

1. L. Mairhofer, S. Eibenberger, J. P. Cotter, M. Romirer, A. Shayeghi, M. Arndt
Quantum-assisted metrology of neutral vitamins in the gas-phase
Angew. Chem. Int. Ed. Accepted online: 9 June 2017 DOI: 10.1002/anie.201704916
2. J. Schätti, U. Sezer, S. Pedalino, J. P. Cotter, M. Arndt*, M. Mayor and V. Köhler*
Tailoring the volatility and stability of oligopeptides
J. Mass Spectrom. 2017 (in press) DOI: 10.1002/jms.3959
3. J. Rodewald, P. Haslinger, N. Dörre, B.A. Stickler, A. Shayeghi, K. Hornberger, M. Arndt
New avenues for matter-wave-enhanced spectroscopy,
Appl. Phys. B 123,3 (2017); DOI 10.1007/s00340-016-6573-y
4. U. Sezer, P. Geyer, M. Kriegleder, M. Debiossac, A. Shayeghi, M. Arndt, F. Lukas, M. Mayor
Selective photodissociation of tailored molecular tags as a tool for quantum optics,
Beilstein J. Nanotechnol. 8, 325-333 (2017); DOI 10.3762/bjnano.8.35
5. C. Knobloch, B. A. Stickler, C. Brand, M. Sclafani, Y. Lilach, T. Juffmann, O. Cheshnovsky, K. Hornberger and M. Arndt
On the role of the electric dipole moment in the diffraction of biomolecules at nanomechanical gratings
Prog. Phys., 1–8 (2016); DOI: 10.1002/prop.201600025
6. S. Kuhn, A. Kosloff, B. A. Stickler, F. Patolsky, K. Hornberger, M. Arndt, and J. Millen
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9. W.P. Schleich, et al.
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10. 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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11. Markus Arndt & Christian Brand
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12. C. Brand, J. Fiedler, T. Juffmann, M. Sclafani, C. Knobloch, S. Scheel, Y. Lilach, O. Cheshnovsky, M. Arndt
A Green's function approach to modeling molecular diffraction in the limit of ultra-thin gratings
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37. M. Sclafani, M. Marksteiner, F. McLennan Keir, A. Korneev, A. Semenov, G. Gol'tsman, and M. Arndt
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