

Further recent high impact publications by CeNTech scientists:

2018

J. Atwater, D. S. Mattes, B. Streit, C. von Bojničić-Kninski, F. F. Loeffler, F. Breitling, H. Fuchs, M. Hirtz
Combinatorial Synthesis of Macromolecular Arrays by Microchannel Cantilever Spotting (μ CS)
Advanced Materials 30, 1801632 (2018)

Cheng Z, Ríos C, Youngblood N, Wright C. David, Pernice W.H.P, Bhaskaran H.
Device-Level Photonic Memories and Logic Applications Using Phase-Change Materials
Advanced Materials 30, 1802425 (2018)

L. Liu, H. Klaasen, A. Timmer, H.-Y. Gao, D. Barton, H. Mönig, J. Neugebauer, H. Fuchs, A. Studer
 α -Diazo Ketones in On-Surface Chemistry
J. Am. Chem. Soc. 140, 6000–6005 (2018)

H. Lu, Y. Cao, J. Qi, A. Bakker, C.A. Strassert, X. Lin, K.-H. Ernst, S. Du, H. Fuchs, H.-J. Gao
Modification of the Potential Landscape of Molecular Rotors on Au(111) by the Presence of an STM Tip
Nano Letters 18, 4704-4709 (2018)

A. Timmer, H. Moenig, M. Uphoff, O. Díaz Arado, S. Amirjalayer, H. Fuchs
Site-specific adsorption of aromatic molecules on a metal/ metal oxide phase boundary
Nano Letters 18, 4123-4129 (2018)

I. Niehues, R. Schmidt, M. Drüppel, P. Marauhn, D. Christiansen, M. Selig, G. Berghäuser, D. Wigger, R. Schneider, L. Braasch, R. Koch, A. Castellanos-Gomez, T. Kuhn, A. Knorr, E. Malic, M. Rohlfing, S. Michaelis de Vasconcellos, R. Bratschkitsch
Strain control of exciton-phonon coupling in atomically thin semiconductors
Nano Letters 18, 1751-1757 (2018)

S. Amirjalayer, A. Martinez-Cuezva, J. Berna, S. Woutersen, W. Buma
Photoinduced Pedalo-Type Motion in an Azodicarboxamide-Based Molecular Switch
Angew. Chem. Int. Ed. 57, 1792-1796 (2018)
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S. Wilde, D. Ma, T. Koch, A. Bakker, D. Gonzalez-Abadelo, L. Stegemann, C.G. Daniliuc, H. Fuchs, H.Y. Gao, N.L. Doltsinis, L. Duan, C.A. Strassert
Toward Tunable Electroluminescent Devices by Correlating Function and Submolecular Structure in 3D Crystals, 2D-Confined Monolayers, and Dimers
ACS Applied Material Interfaces 10, 22460-22473 (2018)

J.H. Kim, K. Riehemann, H. Fuchs

Force Spectroscopy on a Cell Drum: AFM Measurements on the Basolateral Side of Cells via Inverted Cell Cultures

ACS Applied Material Interfaces 10, 12485–12490 (2018)

Ritter R, Gruhler N, Dobbertin H, Kübler H, Scheel S, Pernice W, Pfau T, Löw R

Coupling Thermal Atomic Vapor to Slot Waveguides

Physical Review X 2018, No. 8: 021032

Arora, T. Deilmann, P. Marauhn, M. Drüppel, R. Schneider, M. R. Molas, D. Vaclavkova, S. Michaelis de Vasconcellos, M. Rohlfing, M. Potemski, R. Bratschitsch
Valley-contrasting optics of interlayer excitons in Mo- and W-based bulk transition metal dichalcogenides

Nanoscale 2018, accepted

E. Hossain, A. A. Rahman, R. Bapat, J. B. Parmar, A. P. Shah, A. Arora, R. Bratschitsch, A. Bhattacharya

Facile synthesis of WS₂ nanotubes by sulfurization of tungsten thin films: formation mechanism, structural and optical properties

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Tonndorf, O. Del Pozo Zamudio, N. Gruhler, J. Kern, R. Schmidt, A. I. Dmitriev, A. P. Bakhtinov, A. I. Tartakovskii, W. HP Pernice, S. Michaelis de Vasconcellos, R. Bratschitsch

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Clickable Antifouling Polymer Brushes for Polymer Pen Lithography

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Intermolecular On-Surface σ -Bond Metathesis

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