## Benjamin H Savitzky

## List of Publications by Year in descending order

Source: https:/|exaly.com/author-pdf/9220269/publications.pdf
Version: 2024-02-01
38
papers
$1 \quad$ Electric field control of chirality. Science Advances, 2022, 8, eabj8030. 4.7 ..... 35
$0.2 \quad 0$

## Using py4DSTEM in GMS: Hybrid Open-Source, Commercial-Freeware Methods for Analyzing 4D STEM

12 Datasets. Microscopy and Microanalysis, 2021, 27, 1352-1354.
0.2

0

> 13 The mesoscale order of nacreous pearls. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118,.
3.3

12

14 Patterned probes for high precision 4D-STEM bragg measurements. Ultramicroscopy, 2020, 209, 112890.
0.8

61

> Image Registration of Low-Signal-to-Noise STEM Data with Open Source Software. Microscopy and Microanalysis, 2019, 25, 200-201.
0.20

Low Temperature Electron Microscopy of â€œCharge-Orderedâ€•Phases. Microscopy and Microanalysis, 2019, 25, 934-935.
19
20

Nature and evolution of incommensurate charge order in manganites visualized with cryogenic
19 scanning transmission electron microscopy. Proceedings of the National Academy of Sciences of the
3.3

68
United States of America, 2018, 115, 1445-1450.
Probing the Atomic Lattice Response of Quantum Materials Across Phase Transitions. Microscopy and
0.2 Microanalysis, 2018, 24, 80-81.

0

Tricky Registration for Unruly Data: Image Registration of Low-Signal-to-Noise Cryo-STEM Data
21 Microscopy and Microanalysis, 2018, 24, 518-519.
0.20

Connectivity of centermost chromatophores in <i>Rhodobacter sphaeroides</i> bacteria. Molecular
Microbiology, 2018, 109, 812-825.
1.2

24

23 Image registration of low signal-to-noise cryo-STEM data. Ultramicroscopy, 2018, 191, 56-65.
$0.8 \quad 59$

Successive Ionic Layer Absorption and Reaction for Postassembly Control over Inorganic Interdot
24 Bonds in Long-Range Ordered Nanocrystal Films. ACS Applied Materials \& Interfaces, 2017, 9,
$4.0 \quad 18$ 13500-13507.

25 Bending and breaking of stripes in a charge ordered manganite. Nature Communications, 2017, 8, 1883.
5.8

51

Mapping Picometer Scale Periodic Lattice Distortions with Aberration Corrected Scanning
Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 420-421.
0.2

0

| 27 | Aberration-Corrected STEM/EELS at Cryogenic Temperatures. Microscopy and Microanalysis, 2017, 23, 428-429. | 0.2 | 3 |
| :---: | :---: | :---: | :---: |
| 28 | Emergent Phase Coherence of Stripe Order in Manganites Revealed with Cryogenic Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1630-1631. | 0.2 | 0 |
| 29 | Epitaxial Quantum Dot Superlattices: From Synthesis to Characterization to Electronic Structure. Microscopy and Microanalysis, 2017, 23, 1884-1885. | 0.2 | 0 |
| 30 | Quantitative, Real-Space Statistical Analysis of Imperfect Lattices. Microscopy and Microanalysis, 2016, 22, 892-893. | 0.2 | 0 |
| 31 | Mapping Periodic Lattice Distortions in Exfoliated Dichalchogenides with Atomic Resolution cryo-STEM. Microscopy and Microanalysis, 2016, 22, 1550-1551. | 0.2 | 0 |
| 32 | Strain Accommodation and Coherency in Laterally-Stitched WSe 2 /WS 2 Junctions. Microscopy and Microanalysis, 2016, 22, 870-871. | 0.2 | 5 |
| 33 | Atomic lattice disorder in charge-density-wave phases of exfoliated dichalcogenides (1T-TaS) Tj ETQq1 113, 11420-11424. | $\begin{gathered} \mathrm{rgBT} \\ 3.3 \end{gathered}$ | 86 |

34 Propagation of Structural Disorder in Epitaxially Connected Quantum Dot Solids from Atomic to Micron Scale. Nano Letters, 2016, 16, 5714-5718.

[^0]3.2

51

Charge transport and localization in atomically coherent quantum dot solids. Nature Materials, 2016,
15, 557-563.

Three-Dimensional Arrangement and Connectivity of Lead-Chalcogenide Nanoparticle Assemblies for


[^0]:    35 Colloidal Synthesis of PbS and PbS/CdS Nanosheets Using Acetate-Free Precursors. Chemistry of
    Materials, 2016, 28, 127-134.

