Ursel Bangert

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5990020/publications.pdf

Version: 2024-02-01

23	460	840776	794594
papers	citations	11 h-index	19 g-index

29	29	29	787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Siliconâ€“Carbon Bond Inversions Driven by 60-keV Electrons in Graphene. Physical Review Letters, 2014, 113, 115501.	7.8	123
2	Electrical Tunability of Domain Wall Conductivity in LiNbO₃ Thin Films. Advanced Materials, 2019, 31, e1902890.	21.0	61
3	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	12.8	42
4	Metalâ€“ferroelectric supercrystals with periodically curved metallic layers. Nature Materials, 2021, 20, 495-502.	27.5	39
5	Visualising early-stage liquid phase organic crystal growthvialiquid cell electron microscopy. Nanoscale, 2020, 12, 4636-4644.	5.6	29
6	Local Plasmon Engineering in Doped Graphene. ACS Nano, 2018, 12, 1837-1848.	14.6	25
7	Plasmons in MoS₂ studied via experimental and theoretical correlation of energy loss spectra. Journal of Microscopy, 2020, 279, 256-264.	1.8	22
8	Anomalous Motion of Charged Domain Walls and Associated Negative Capacitance in Copperâ€“Chlorine Boracite. Advanced Materials, 2021, 33, e2008068.	21.0	19
9	Electrostatically Driven Polarization Flop and Strainâ€Induced Curvature in Freeâ€Standing Ferroelectric Superlattices. Advanced Materials, 2022, 34, e2106826.	21.0	18
10	Aberration corrected STEM techniques to investigate polarization in ferroelectric domain walls and vortices. APL Materials, 2021, 9, .	5.1	15
11	Highly charged 180 degree head-to-head domain walls in lead titanate. Communications Physics, 2020, 3, .	5.3	12
12	Ultrahigh Carrier Mobilities in Ferroelectric Domain Wall Corbino Cones at Room Temperature. Advanced Materials, 2022, 34, .	21.0	10
13	Subsuming the Metal Seed to Transform Binary Metal Chalcogenide Nanocrystals into Multinary Compositions. ACS Nano, 2022, 16, 8917-8927.	14.6	8
14	Understanding and Controlling the Evolution of Nanomorphology and Crystallinity of Organic Bulkâ€Heterojunction Blends with Solvent Vapor Annealing. Solar Rrl, 2022, 6, .	5.8	8
15	Charged Domain Wall and Polar Vortex Topologies in a Room-Temperature Magnetoelectric Multiferroic Thin Film. ACS Applied Materials & Interfaces, 2022, 14, 5525-5536.	8.0	7
16	TopoTEM: A Python Package for Quantifying and Visualizing Scanning Transmission Electron Microscopy Data of Polar Topologies. Microscopy and Microanalysis, 2022, , 1-9.	0.4	7
17	Stretching the Equilibrium Limit of Sn in Ge_{1â€“x}Sn_x Nanowires: Implications for Field Effect Transistors. ACS Applied Nano Materials, 2021, 4, 1048-1056.	5.0	6
18	Quantifying the Transverse-Electric-Dominant 260 nm Emission from Molecular Beam Epitaxy-Grown GaN-Quantum-Disks Embedded in AlN Nanowires: A Comprehensive Optical and Morphological Characterization. ACS Applied Materials & Interfaces, 2020, 12, 41649-41658.	8.0	4

#	Article	IF	Citations
19	Probing the Dynamics of Topologically Protected Charged Ferroelectric Domain Walls with the Electron Beam at the Atomic Scale. Microscopy and Microanalysis, 2020, 26, 3030-3032.	0.4	3
20	Spark-Discharge Plasma as a Method to Produce Low AC Loss Multifilamentary (RE)Ba2Cu3 O7 Coated Conductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	1
21	Metal and 2D Material Interaction Investigated via HAADF STEM. Microscopy and Microanalysis, 2019, 25, 2138-2139.	0.4	0
22	Revealing Early Stage Nucleation Events of Pharmaceutical Crystals Using Liquid Phase Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 206-207.	0.4	0
23	Evolution of Cu-Bi-Zn-S colloidal nanorods via in situ generated metal-semiconductor heterostructures. , 0, , .		0