

Yonathan Anahory

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6877870/publications.pdf>

Version: 2024-02-01

23
papers

1,235
citations

516710

16
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	A scanning superconducting quantum interference device with single electron spin sensitivity. Nature Nanotechnology, 2013, 8, 639-644.	31.5	326
2	Nanoscale thermal imaging of dissipation in quantum systems. Nature, 2016, 539, 407-410.	27.8	149
3	Imaging of super-fast dynamics and flow instabilities of superconducting vortices. Nature Communications, 2017, 8, 85.	12.8	149
4	Visualization of superparamagnetic dynamics in magnetic topological insulators. Science Advances, 2015, 1, e1500740.	10.3	129
5	Probing dynamics and pinning of single vortices in superconductors at nanometer scales. Scientific Reports, 2015, 5, 7598.	3.3	74
6	Synthesis and Characterization of Single-Layer Silver ¹¹ Decanethiolate Lamellar Crystals. Journal of the American Chemical Society, 2011, 133, 4367-4376.	13.7	52
7	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	12.8	51
8	SQUID-on-tip with single-electron spin sensitivity for high-field and ultra-low temperature nanomagnetic imaging. Nanoscale, 2020, 12, 3174-3182.	5.6	42
9	Three-Junction SQUID-on-Tip with Tunable In-Plane and Out-of-Plane Magnetic Field Sensitivity. Nano Letters, 2014, 14, 6481-6487.	9.1	40
10	Replenish and Relax: Explaining Logarithmic Annealing in Ion-Implanted Si . Physical Review Letters, 2013, 111, 105502.	7.8	34
11	Observation of superparamagnetism in coexistence with quantum anomalous Hall $\nu = \pm 1$ and $\nu = 0$ Chern states. Npj Quantum Materials, 2017, 2, .	5.2	23
12	Dependence of the structural relaxation of amorphous silicon on implantation temperature. Physical Review B, 2005, 71, .	3.2	21
13	Formation of Pd ₂ Si on single-crystalline Si (100) at ultrafast heating rates: An <i>in-situ</i> analysis by nanocalorimetry. Applied Physics Letters, 2013, 102, .	3.3	20
14	Fabrication, characterization and modeling of single-crystal thin film calorimeter sensors. Thermochimica Acta, 2010, 510, 126-136.	2.7	19
15	Electrically Tunable Multiterminal SQUID-on-Tip. Nano Letters, 2016, 16, 6910-6915.	9.1	18
16	Damage evolution in low-energy ion implanted silicon. Physical Review B, 2007, 75, .	3.2	17
17	Observation of a gel of quantum vortices in a superconductor at very low magnetic fields. Physical Review Research, 2020, 2, .	3.6	15
18	Interior and Edge Magnetization in Thin Exfoliated CrGeTe ₃ Films. Nano Letters, 2022, 22, 3165-3172.	9.1	12

#	ARTICLE	IF	CITATIONS
19	Concentration and ion-energy-independent annealing kinetics during ion-implanted-defect annealing. Applied Physics Letters, 2005, 86, 031912.	3.3	11
20	Nano-sized SQUID-on-tip for scanning probe microscopy. Journal of Physics: Conference Series, 2012, 400, 052004.	0.4	11
21	Tunable exchange bias in the magnetic Weyl semimetal CoS_2 . Physical Review B, 2022, 105, .	3.2	10
22	Radiation damage in silicon studied in situ by nanocalorimetry. Physica B: Condensed Matter, 2003, 340-342, 622-625.	2.7	9
23	Damage annealing process in implanted poly-silicon studied by nanocalorimetry: Effects of heating rate and beam flux. Nuclear Instruments & Methods in Physics Research B, 2005, 241, 341-345.	1.4	3