

Yonathan Anahory

List of Publications by Year in descending order

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papers

1,235
citations

516710

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all docs

23
docs citations

23
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	Interior and Edge Magnetization in Thin Exfoliated CrGeTe ₃ Films. Nano Letters, 2022, 22, 3165-3172.	9.1	12
2	Tunable exchange bias in the magnetic Weyl semimetal CoS_2 . Physical Review B, 2022, 105, .	3.2	10
3	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
4	Observation of a gel of quantum vortices in a superconductor at very low magnetic fields. Physical Review Research, 2020, 2, .	3.6	15
5	Imaging of super-fast dynamics and flow instabilities of superconducting vortices. Nature Communications, 2017, 8, 85.	12.8	149
6	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
7	Electrically Tunable Multiterminal SQUID-on-Tip. Nano Letters, 2016, 16, 6910-6915.	9.1	18
8	Nanoscale thermal imaging of dissipation in quantum systems. Nature, 2016, 539, 407-410.	27.8	149
9	Emergent nanoscale superparamagnetism at oxide interfaces. Nature Communications, 2016, 7, 12566.	12.8	51
10	Visualization of superparamagnetic dynamics in magnetic topological insulators. Science Advances, 2015, 1, e1500740.	10.3	129
11	Probing dynamics and pinning of single vortices in superconductors at nanometer scales. Scientific Reports, 2015, 5, 7598.	3.3	74
12	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
13	A scanning superconducting quantum interference device with single electron spin sensitivity. Nature Nanotechnology, 2013, 8, 639-644.	31.5	326
14	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
15	Replenish and Relax: Explaining Logarithmic Annealing in Ion-Implanted c-Si . Physical Review Letters, 2013, 111, 105502.	7.8	34
16	Nano-sized SQUID-on-tip for scanning probe microscopy. Journal of Physics: Conference Series, 2012, 400, 052004.	0.4	11
17	Synthesis and Characterization of Single-Layer Silver ⁺ Decanethiolate Lamellar Crystals. Journal of the American Chemical Society, 2011, 133, 4367-4376.	13.7	52
18	Fabrication, characterization and modeling of single-crystal thin film calorimeter sensors. Thermochimica Acta, 2010, 510, 126-136.	2.7	19

#	ARTICLE	IF	CITATIONS
19	Damage evolution in low-energy ion implanted silicon. Physical Review B, 2007, 75, .	3.2	17
20	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
21	Concentration and ion-energy-independent annealing kinetics during ion-implanted-defect annealing. Applied Physics Letters, 2005, 86, 031912.	3.3	11
22	Dependence of the structural relaxation of amorphous silicon on implantation temperature. Physical Review B, 2005, 71, .	3.2	21
23	Radiation damage in silicon studied in situ by nanocalorimetry. Physica B: Condensed Matter, 2003, 340-342, 622-625.	2.7	9