

Sebastian Wickenburg

List of Publications by Year in descending order

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14
papers

1,674
citations

686830

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1058022

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docs citations

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times ranked

3159
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Imaging of Covalent Bond Structure in Single-Molecule Chemical Reactions. <i>Science</i> , 2013, 340, 1434-1437.	6.0	513
2	Charge density wave order in 1D mirror twin boundaries of single-layer MoSe ₂ . <i>Nature Physics</i> , 2016, 12, 751-756.	6.5	209
3	Identifying substitutional oxygen as a prolific point defect in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , 2019, 10, 3382.	5.8	196
4	Probing the Role of Interlayer Coupling and Coulomb Interactions on Electronic Structure in Few-Layer MoSe ₂ Nanostructures. <i>Nano Letters</i> , 2015, 15, 2594-2599.	4.5	136
5	Imaging single-molecule reaction intermediates stabilized by surface dissipation and entropy. <i>Nature Chemistry</i> , 2016, 8, 678-683.	6.6	130
6	Local Electronic and Chemical Structure of Oligo-acetylene Derivatives Formed Through Radical Cyclizations at a Surface. <i>Nano Letters</i> , 2014, 14, 2251-2255.	4.5	108
7	Observation of Carrier-Density-Dependent Many-Body Effects in Graphene via Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2010, 104, 036805.	2.9	106
8	Tuning charge and correlation effects for a single molecule on a graphene device. <i>Nature Communications</i> , 2016, 7, 13553.	5.8	82
9	Nanoscale Control of Rewriteable Doping Patterns in Pristine Graphene/Boron Nitride Heterostructures. <i>Nano Letters</i> , 2016, 16, 1620-1625.	4.5	60
10	Molecular Self-Assembly in a Poorly Screened Environment: F ₄ TCNQ on Graphene/BN. <i>ACS Nano</i> , 2015, 9, 12168-12173.	7.3	45
11	Imaging and Tuning Molecular Levels at the Surface of a Gated Graphene Device. <i>ACS Nano</i> , 2014, 8, 5395-5401.	7.3	39
12	Frustrated supercritical collapse in tunable charge arrays on graphene. <i>Nature Communications</i> , 2019, 10, 477.	5.8	23
13	Noncovalent Dimerization after Eneidyne Cyclization on Au(111). <i>Journal of the American Chemical Society</i> , 2016, 138, 10963-10967.	6.6	15
14	A molecular shift register made using tunable charge patterns in one-dimensional molecular arrays on graphene. <i>Nature Electronics</i> , 2020, 3, 598-603.	13.1	12