

Miguel M Ugeda

List of Publications by Year in descending order

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35
papers

5,010
citations

304743

22
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

8400
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant bandgap renormalization and excitonic effects in a monolayer transition metal dichalcogenide semiconductor. <i>Nature Materials</i> , 2014, 13, 1091-1095.	27.5	1,470
2	Quantum spin Hall state in monolayer 1T'-WTe ₂ . <i>Nature Physics</i> , 2017, 13, 683-687.	16.7	596
3	Atomic-scale control of graphene magnetism by using hydrogen atoms. <i>Science</i> , 2016, 352, 437-441.	12.6	545
4	Characterization of collective ground states in single-layer NbSe ₂ . <i>Nature Physics</i> , 2016, 12, 92-97.	16.7	536
5	Charge density wave order in 1D mirror twin boundaries of single-layer MoSe ₂ . <i>Nature Physics</i> , 2016, 12, 751-756.	16.7	209
6	Identifying substitutional oxygen as a prolific point defect in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , 2019, 10, 3382.	12.8	196
7	Electronic and structural characterization of divacancies in irradiated graphene. <i>Physical Review B</i> , 2012, 85, .	3.2	173
8	Observation of shell effects in superconducting nanoparticles of Sn. <i>Nature Materials</i> , 2010, 9, 550-554.	27.5	149
9	Electronic Structure, Surface Doping, and Optical Response in Epitaxial WSe ₂ Thin Films. <i>Nano Letters</i> , 2016, 16, 2485-2491.	9.1	147
10	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.	9.1	136
11	Imaging single-molecule reaction intermediates stabilized by surface dissipation and entropy. <i>Nature Chemistry</i> , 2016, 8, 678-683.	13.6	130
12	Local Electronic and Chemical Structure of Oligo-acetylene Derivatives Formed Through Radical Cyclizations at a Surface. <i>Nano Letters</i> , 2014, 14, 2251-2255.	9.1	108
13	Observation of topologically protected states at crystalline phase boundaries in single-layer WSe ₂ . <i>Nature Communications</i> , 2018, 9, 3401.	12.8	107
14	Mapping the orbital structure of impurity bound states in a superconductor. <i>Nature Communications</i> , 2017, 8, 15175.	12.8	82
15	Influence of Magnetic Ordering between Cr Adatoms on the Yu-Shiba-Rusinov States of the $\text{Bi}_{1-x}\text{Sb}_x$ Topological Anomalous Semiconductors. <i>Physical Review Letters</i> , 2018, 120, 167001.	7.8	54
16	Visualization of Multifractal Superconductivity in a Two-Dimensional Transition Metal Dichalcogenide in the Weak-Disorder Regime. <i>Nano Letters</i> , 2020, 20, 5111-5118.	9.1	40
17	Experimental observation of thermal fluctuations in single superconducting Pb nanoparticles through tunneling measurements. <i>Physical Review B</i> , 2011, 84, .	3.2	39
18	Imaging and Tuning Molecular Levels at the Surface of a Gated Graphene Device. <i>ACS Nano</i> , 2014, 8, 5395-5401.	14.6	39

#	ARTICLE	IF	CITATIONS
19	Proximity Effects on the Charge Density Wave Order and Superconductivity in Single-Layer NbSe ₂ . ACS Nano, 2021, 15, 19430-19438.	14.6	35
20	Orbital-selective spin excitation of a magnetic porphyrin. Communications Physics, 2018, 1, .	5.3	31
21	Coexistence of Elastic Modulations in the Charge Density Wave State of 2 <i>H</i> -NbSe ₂ . Nano Letters, 2019, 19, 3027-3032.	9.1	26
22	Electronic and magnetic characterization of epitaxial VSe ₂ monolayers on superconducting NbSe ₂ . Communications Physics, 2020, 3, .	5.3	24
23	Graphene Tunable Transparency to Tunneling Electrons: A Direct Tool To Measure the Local Coupling. ACS Nano, 2016, 10, 5131-5144.	14.6	23
24	Tailoring Superconductivity in Large-Area Single-Layer NbSe ₂ via Self-Assembled Molecular Adlayers. Nano Letters, 2021, 21, 136-143.	9.1	19
25	Selenium capped monolayer NbSe ₂ for two-dimensional superconductivity studies. Physica Status Solidi (B): Basic Research, 2016, 253, 2396-2399.	1.5	17
26	Electronic Properties of Transferable Atomically Thin MoSe ₂ /h-BN Heterostructures Grown on Rh(111). ACS Nano, 2018, 12, 11161-11168.	14.6	17
27	Strong-coupling charge density wave in a one-dimensional topological metal. Physical Review B, 2019, 99, .	3.2	15
28	Geometry and electronic structure of iridium adsorbed on graphene. Physical Review B, 2019, 99, .	3.2	14
29	Magnetic correlations in single-layer NbSe ₂ . Journal of Physics Condensed Matter, 2021, 33, 295804.	1.8	10
30	Nontrivial Doping Evolution of Electronic Properties in Ining Superconducting Alloys. Advanced Materials, 2022, , 2200492.	21.0	9
31	Adsorption and Stability of π -Bonded Ethylene on GaP(110). Journal of Physical Chemistry C, 2013, 117, 26091-26096.	3.1	5
32	Covalent Functionalization of GaP(110) Surfaces via a Staudinger-Type Reaction with Perfluorophenyl Azide. Journal of Physical Chemistry C, 2016, 120, 26448-26452.	3.1	4
33	Adsorption and Growth of 1,3,5-Triazine on Cu(111) at Low Temperature under Ultrahigh Vacuum Conditions. Journal of Physical Chemistry C, 2012, 116, 9568-9574.	3.1	3
34	Stable in harsh environments. Nature Materials, 2019, 18, 539-540.	27.5	0
35	Nontrivial Doping Evolution of Electronic Properties in Ining Superconducting Alloys (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	21.0	0