

Pablo Ares

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

2,730
citations

21
h-index

42
g-index

42
ext. papers

3,257
ext. citations

12.5
avg, IF

5.2
L-index

#	Paper	IF	Citations
42	Recent progress in 2D group-VA semiconductors: from theory to experiment. <i>Chemical Society Reviews</i> , 2018 , 47, 982-1021	58.5	549
41	Anomalously low dielectric constant of confined water. <i>Science</i> , 2018 , 360, 1339-1342	33.3	397
40	Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions. <i>Advanced Materials</i> , 2016 , 28, 6332-6	24	374
39	Few-Layer Antimonene by Liquid-Phase Exfoliation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14345-14349	16.4	299
38	Recent Progress on Antimonene: A New Bidimensional Material. <i>Advanced Materials</i> , 2018 , 30, 1703771	24	189
37	The effect of the parent graphite on the structure of graphene oxide. <i>Carbon</i> , 2012 , 50, 275-282	10.4	165
36	Noncovalent Functionalization and Charge Transfer in Antimonene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14389-14394	16.4	68
35	Minimizing tip-sample forces in jumping mode atomic force microscopy in liquid. <i>Ultramicroscopy</i> , 2012 , 114, 56-61	3.1	65
34	Few-Layer Antimonene by Liquid-Phase Exfoliation. <i>Angewandte Chemie</i> , 2016 , 128, 14557-14561	3.6	53
33	Optical Identification of Few-Layer Antimonene Crystals. <i>ACS Photonics</i> , 2017 , 4, 600-605	6.3	48
32	Tailored graphene materials by chemical reduction of graphene oxides of different atomic structure. <i>RSC Advances</i> , 2012 , 2, 9643	3.7	46
31	Piezoelectricity in Monolayer Hexagonal Boron Nitride. <i>Advanced Materials</i> , 2020 , 32, e1905504	24	46
30	Cutting down the forest of peaks in acoustic dynamic atomic force microscopy in liquid. <i>Review of Scientific Instruments</i> , 2008 , 79, 126106	1.7	36
29	Neck-size distributions of through-pores in polymer membranes. <i>Journal of Membrane Science</i> , 2012 , 415-416, 608-615	9.6	35
28	Variable-field magnetic force microscopy. <i>Ultramicroscopy</i> , 2009 , 109, 693-9	3.1	34
27	High resolution atomic force microscopy of double-stranded RNA. <i>Nanoscale</i> , 2016 , 8, 11818-26	7.7	33
26	Charge-polarized interfacial superlattices in marginally twisted hexagonal boron nitride. <i>Nature Communications</i> , 2021 , 12, 347	17.4	33

25	Strain energy and lateral friction force distributions of carbon nanotubes manipulated into shapes by atomic force microscopy. <i>Nanotechnology</i> , 2009 , 20, 385709	3.4	29
24	Noncovalent Functionalization and Charge Transfer in Antimonene. <i>Angewandte Chemie</i> , 2017 , 129, 14581-14586	3.6	26
23	AFM Manipulation of Gold Nanowires To Build Electrical Circuits. <i>Nano Letters</i> , 2019 , 19, 5459-5468	11.5	22
22	Dynamically tuned non-classical light emission from atomic defects in hexagonal boron nitride. <i>Communications Physics</i> , 2019 , 2,	5.4	21
21	Antimonene: Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions (Adv. Mater. 30/2016). <i>Advanced Materials</i> , 2016 , 28, 6515	24	20
20	Magnetic Force Microscopy in Liquids. <i>Small</i> , 2015 , 11, 4731-6	11	19
19	Watten plusWa recent implementation in WSxM for biological research. <i>Bioinformatics</i> , 2015 , 31, 2918-20.2	20.2	18
18	Customized MFM probes based on magnetic nanorods. <i>Nanoscale</i> , 2020 , 12, 10090-10097	7.7	17
17	Emergence of Highly Linearly Polarized Interlayer Exciton Emission in MoSe/WSe Heterobilayers with Transfer-Induced Layer Corrugation. <i>ACS Nano</i> , 2020 , 14, 11110-11119	16.7	12
16	One-Pot Preparation of Mechanically Robust, Transparent, Highly Conductive, and Memristive Metal-Organic Ultrathin Film. <i>ACS Nano</i> , 2018 , 12, 10171-10177	16.7	12
15	High Electrical Conductivity of Single Metal-Organic Chains. <i>Advanced Materials</i> , 2018 , 30, e1705645	24	11
14	Tunable Graphene Electronics with Local Ultrahigh Pressure. <i>Advanced Functional Materials</i> , 2019 , 29, 1806715	15.6	9
13	Van der Waals interaction affects wrinkle formation in two-dimensional materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
12	Recent advances in graphene and other 2D materials. <i>Nano Materials Science</i> , 2021 ,	10.2	8
11	Exfoliation of Alpha-Germanium: A Covalent Diamond-Like Structure. <i>Advanced Materials</i> , 2021 , 33, e2006826	26.8	8
10	Interplay between the mechanics of bacteriophage fibers and the strength of virus-host links. <i>Physical Review E</i> , 2014 , 89, 052710	2.4	6
9	Ultralarge Free-Standing Imine-Based Covalent Organic Framework Membranes Fabricated via Compression.. <i>Advanced Science</i> , 2022 , e2104643	13.6	6
8	Exfoliated graphite flakes as soft-electrodes for precisely contacting nanoobjects. <i>2D Materials</i> , 2015 , 2, 035008	5.9	2

7	High-Resolution Atomic Force Microscopy Imaging of Nucleic Acids. <i>Methods in Molecular Biology</i> , 2018 , 1814, 3-17	1.4	2
6	Improved Graphene Blisters by Ultrahigh Pressure Sealing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37750-37756	9.5	2
5	Direct Visualization and Effects of Atomic-Scale Defects on the Optoelectronic Properties of Hexagonal Boron Nitride. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001177	6.4	2
4	The role of defects in the properties of functional coordination polymers. <i>Advances in Inorganic Chemistry</i> , 2020 , 76, 73-119	2.1	1
3	Few-layer antimonene electrical properties. <i>Applied Materials Today</i> , 2021 , 24, 101132	6.6	0
2	Piezoelectric Materials: Piezoelectricity in Monolayer Hexagonal Boron Nitride (Adv. Mater. 1/2020). <i>Advanced Materials</i> , 2020 , 32, 2070006	24	
1	Editorial for a special issue on graphene and 2D alternative materials: From preparation to potential applications. <i>Nano Materials Science</i> , 2022 , 4, 1-2	10.2	